## AB-NN241-1 DNMT1 Antibody

Pan-specific monoclonal antibody (60B1220.1) for monitoring the expression of human DNMT1



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Target Protein   Name Long: DNA (cytosine-5)-methyltransferase 1 (DNMT1)   Alias: DNA Mtase, DNMT, MCMT, DNA methyltransferase 1, AIM, CXXC9, DNMT, DNA (cytosine-5)-methyltransferase 1, CXXC-type zinc finger protein 9, DNA methyltransferase Hsal   UniProt ID: P26358 - Human   Human Predicted Mass (KDa): 184.819 (1632 AA; P26358-2); 183.165 (1616 AA; P26358-1); 144.465 (1280 AA; P26358-3)   Observed SDS-PAGE Mass (KDa): 180   Immunogen Raised against a synthetic peptide corresponding to amino acids 637-650 of human DNMT1   Production Mouse   Antibody Host Species: Mouse   Antibody Jppe: Monoclonal   Antibody Species: Mouse   Antibody Post Species: Monoclonal   Antibody Purification: Protein G purified   Amount: 25 µg   Antibody Concentration: 1 mg/ml   Lot Number: 15DE1   Storage Buffer: Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azide   For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.   Applications WB [IHC		Canada V6P 6T3 Phone: 604-323-2547
Alias: DNA Mitase, DNMT, MCMT, DNA methyltransferase 1, AIM, CXXC9, DNMT, DNA (cytosine-5)-methyltransferase 1, CXXC-type zinc finger protein 9, DNA methyltransferase Hsal   UniProt ID: P26358 - Human   Human Predicted Mass (KDa): 184.819 (1632 AA; P26358-2); 183.165 (1616 AA; P26358-1); 144.465 (1280 AA; P26358-3)   Observed SDS-PAGE Mass (KDa): 180   Immunogen Raised against a synthetic peptide corresponding to amino acids 637-650 of human DNMT1   Production Mouse   Antibody Ibsotype Clone Lot: 77 IgG1Kappa   Antibody Purification: Protin G purified   Amount: 25 µg   Antibody Concentration: 1 mg/ml   Lot Number: 15DE1   Storage Buffer: Prosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azide   For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.   Applications WB   IHC   IP   ChIP   WB   IHC   IP   ChIP WB   IHC   IP   ChIP   WB   IHC   IP   ChIP WB   IHC   IP   ChIP   Yes WB   IHC   IP   ChIP   Yes WB   IHC   IP   ChIP   <	Target Protein	
Alias:DNA (cytosine-5)-methyltransferase 1, CXXC-type zinc finger protein 9, DNA methyltransferase HsalUniProt ID:P26358 - HumanHuman Predicted Mass (KDa):184.819 (1632 AA; P26358-2); 183.165 (1616 AA; P26358-1); 144.465 (1280 AA; P26358-3)Observed SDS-PAGE Mass (KDa):180ImmunogenImmunogenAntibody Immunogen Source:Raised against a synthetic peptide corresponding to amino acids 637-650 of human DNMT1ProductionMouseAntibody Ig Isotype Clone Lot:77 IgG1KappaAntibody Ig Isotype Clone Lot:77 IgG1KappaAntibody Concentration:1 mg/mlLot Number:15DE1Storage Buffer:Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azideFor long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long	Name Long:	DNA (cytosine-5)-methyltransferase 1 (DNMT1)
Human Predicted Mass (KDa):184.819 (1632 AA; P26358-2); 183.165 (1616 AA; P26358-1); 144.465 (1280 AA; P26358-3)Observed SDS-PAGE Mass (KDa):180ImmunogenInmunogenAntibody Immunogen Source:Raised against a synthetic peptide corresponding to amino acids 637-650 of human DNMT1ProductionAntibody Host Species:MouseAntibody Ig Isotype Clone Lot:77 IgG1KappaAntibody Purification:Protein G purifiedAntibody Concentration:1 mg/mlLot Number:15DE1Storage Buffer:Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azideFor long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.ApplicationsWB   IHC   IP   ChIP WB (1:500), iptimal dilutions for assays should be determined by the user.	Alias:	DNA (cytosine-5)-methyltransferase 1, CXXC-type zinc finger protein 9, DNA
Human Predicted Mass (KDa): AA; P26358-3)   Observed SDS-PAGE Mass (KDa): 180   Immunogen Raised against a synthetic peptide corresponding to amino acids 637-650 of human DNMT1   Production Antibody Immunogen Source:   Antibody Host Species: Mouse   Antibody Jpp: Monoclonal   Antibody Ig Isotype Clone Lot: 77 IgG1Kappa   Antibody Purification: Protein G purified   Amount: 25 µg   Antibody Concentration: 1 mg/ml   Lot Number: 15DE1   Storage Buffer: Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azide   For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at 44°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at 44°C for more than 3 months. Avoid repeated freeze-thaw cycles.   Applications WB   IHC   IP   ChIP   Product Use: WB   IHC   IP   ChIP   Antibody Dilution Recommended: WB (1:500), iPC (1:500); optimal dilutions for assays should be determined by the user.	UniProt ID:	P26358 - Human
Immunogen   Antibody Immunogen Source: Raised against a synthetic peptide corresponding to amino acids 637-650 of human DNMT1   Production    Antibody Host Species: Mouse   Antibody Type: Monoclonal   Antibody Ig Isotype Clone Lot: 77 IgG1Kappa   Antibody Purification: Protein G purified   Amount: 25 µg   Antibody Concentration: 1 mg/ml   Lot Number: 15DE1   Storage Buffer: Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azide   For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.   Applications WB   IHC   IP   ChIP   WB (11:500), IHC (1:500); optimal dilutions for assays should be determined by the user.	Human Predicted Mass (KDa):	
Antibody Immunogen Source: Raised against a synthetic peptide corresponding to amino acids 637-650 of human DNMT1   Production Antibody Host Species: Mouse   Antibody Type: Monoclonal   Antibody Ig Isotype Clone Lot: 77 IgG1Kappa   Antibody Purification: Protein G purified   Amount: 25 µg   Antibody Concentration: 1 mg/ml   Lot Number: 15DE1   Storage Buffer: Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azide   For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.   Applications WB   IHC   IP   ChIP   WB (1:500), IHC (1:500); optimal dilutions for assays should be determined by the user.	Observed SDS-PAGE Mass (KDa):	180
Antibody limitundgen source: human DNMT1   Production Antibody Host Species: Mouse   Antibody Type: Monoclonal   Antibody Ig Isotype Clone Lot: 77 IgG1Kappa   Antibody Purification: Protein G purified   Amount: 25 μg   Antibody Concentration: 1 mg/ml   Lot Number: 15DE1   Storage Buffer: Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azide   For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.   Applications WB   IHC   IP   ChIP   WB (1:500), IHC (1:500); optimal dilutions for assays should be determined by the user.	Immunogen	
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Antibody Purification:Protein G purifiedAmount:25 μgAntibody Concentration:1 mg/mlLot Number:15DE1Storage Buffer:Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azideFor long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.ApplicationsWB   IHC   IP   ChIPProduct Use:WB   IHC   IP   ChIPAntibody Dilution Recommendee:WB (1:500), IHC (1:500); optimal dilutions for assays should be determined by the user.	Antibody Type:	Monoclonal
Amount:25 μgAntibody Concentration:1 mg/mlLot Number:15DE1Storage Buffer:Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azideFor long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.ApplicationsVB [IHC ] IP ] ChIPProduct Use:VWB [IHC ] IP ] ChIP WB (1:500), IHC (1:500); optimal dilutions for assays should be determined by the user.	Antibody Ig Isotype Clone Lot:	77 IgG1Kappa
Antibody Concentration:1 mg/mlLot Number:15DE1Storage Buffer:Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azideStorage Conditions and Stability:For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.ApplicationsWB (IHC   IP   ChIPProduct Use:WB (1:500), IHC (1:500); optimal dilutions for assays should be determined by the user.	Antibody Purification:	Protein G purified
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Product Use: WB   IHC   IP   ChIP   Antibody Dilution Recommended: WB (1:500), IHC (1:500); optimal dilutions for assays should be determined by the user.	Storage Conditions and Stability:	at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C
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the user.	Product Use:	WB   IHC   IP   ChIP
	Antibody Dilution Recommended:	
Antibody Species Reactivity: Human   Mouse   Zebrafish	Antibody Species Reactivity:	Human   Mouse   Zebrafish
Antibody Positive Control:2 µg/ml of SMC-200 was sufficient for detection of Dnmt1 in 10 µg of mouse ES cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.	Antibody Positive Control:	cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP
Target Detection Immunoblotting:Detects a ~180 kDa protein. It will cross-react with mouse DNMT1.	Target Detection Immunoblotting:	Detects a ~180 kDa protein. It will cross-react with mouse DNMT1.
Antibody Specificity: High	Antibody Specificity:	High

This product is for in vitro research use only and is not intended for use in humans or animals.

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