

AB-NN275-1 KCNQ2 Antibody

Pan-specific monoclonal antibody (S26A-23) for monitoring the expression of human KCNQ2



KINEXUS

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Target Protein

Name Long:	Potassium voltage-gated channel subfamily KQT member 2 (KCNQ2)
Alias:	BFNC, EBN1, ENB1, HNSPC, KCNA11, KQT like 2, KV7.2, KVEBN1. KvLQT2, voltage gated potassium channel subunit Kv7.2
UniProt ID:	O43526 - Human
Human Predicted Mass (kDa):	95.848 (872 AA; O43526-1); 94.100 (854 AA; O43526-2); 93.089 (844 AA; O43526-3); 93.057 (843 AA; O43526-5); 92.596 (841 AA; O43526-4); 44.261 (393 AA; O43526-6)
Observed SDS-PAGE Mass (kDa):	95

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 1-59 of human KCNQ2
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	148 IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage 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.

Applications

Product Use:	WB IHC ICC/IF IP
Antibody Dilution Recommended:	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat Hamster
Antibody Positive Control:	1 µg/ml of SMC-308 was sufficient for detection of KCNQ2 in 10 µg of COS-1 cell lysate transiently expressing KCNQ2 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~95 kDa protein.
Antibody Specificity:	Very high

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

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