

AB-NN223-1

Cav beta 4 Antibody

Pan-specific monoclonal antibody (S10-7) for monitoring the expression of rat Cav beta 4



KINEXUS

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Target Protein

Name Long:	Cav beta 4 Antibody
Alias:	Pan-specific monoclonal antibody (S10-7) for monitoring the expression of rat Cav beta 4
UniProt ID:	Voltage-dependent L-type calcium channel subunit beta-4 (Cav beta 4)
Human Predicted Mass (KDa):	CAB4, CACNLB4, EA5, EJM, Calcium channel voltage dependent beta 4 subunit
Observed SDS-PAGE Mass (KDa):	O00305 - Human

Immunogen

Antibody Immunogen Source:	58.169 (520 AA; O00305-1); 56.422 (502 AA; O00305-3); 54.707 (486 AA; O00305-2); 51.331 (458 AA; O00305-4)
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Production

Antibody Ig Isotype Clone Lot:	71 Mouse
Antibody Purification:	Monoclonal
Amount:	IgG1
Antibody Concentration:	Protein G purified
Lot Number:	25 µg
Storage Buffer:	1 mg/ml
Storage Conditions and Stability:	15DE115DE1

Applications

Product Use:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Antibody Dilution Recommended:	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.
Antibody Species Reactivity:	WB IHC ICC/IF IP
Antibody Positive Control:	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Target Detection Immunoblotting:	Human Mouse Rat Hamster
Antibody Specificity:	1 µg/ml of SMC-318 was sufficient for detection of Cavβ4 in 10 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Antibody Cross Reactivities:	Detects a ~50 kDa protein.

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

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987