

AB-NN300-1 NrCAM Antibody

Pan-specific monoclonal antibody (S364-51) for monitoring the expression of mouse NrCAM



KINEXUS

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Target Protein

Name Long:	Neuronal cell adhesion molecule (NrCAM)
Alias:	Neuronal cell adhesion molecule, Bravo, hBravo, KIAA0343, MGC138845, MGC138846, Neuronal surface protein Bravo, Ng CAM related, Ng-CAM-related, NgCAM related cell adhesion molecule, NgCAM-related cell adhesion molecule, Nr CAM, Nr-CAM
UniProt ID:	Q810U4 - Mouse
Human Predicted Mass (kDa):	144.375 (1308 AA; Q92823-5); 143.890 (1304 AA; Q92823-1); 136.614 (1236 AA; Q92823-2); 131.744 (1192 AA; Q92823-6); 131.046 (1183 AA; Q92823-4); 130.668 (1180 AA; Q92823-3)
Observed SDS-PAGE Mass (kDa):	160

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 30-845 (extracellular domain) of mouse NrCAM. Rat: 96% identity (795/822 amino acids identical). Human: 91% identity (753/822 amino acids identical) ~50% identity with Neurofascin.
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	163 IgG2a
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, 0.1% 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 ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-462 was sufficient for detection of NrCAM in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~160 kDa protein.

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

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