

AB-NN303-1

Protocadherin Gamma B2 Antibody

Pan-specific monoclonal antibody (S148-30) for monitoring the expression of mouse Protocadherin Gamma B2



KINEXUS

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Target Protein

Name Long:	Protocadherin gamma-B2
Alias:	PCDH-gamma-B2, PCDHGB2, Protocadherin gamma B2, Protocadherin gamma subfamily B, 2, Protocadherin gamma subfamily B2, Gamma Protocadherin-B2, Gamma Protocadherin B2
UniProt ID:	Q91XX7 - Mouse
Human Predicted Mass (KDa):	100.875 (931 AA; Q9Y5G2-1); 88.397 (811 AA; Q9Y5G2-2)
Observed SDS-PAGE Mass (KDa):	100

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 719-804 (variable cytoplasmic domain) of mouse Gamma- Protocadherin Gamma B2. Human: 68% identity (60/88 amino acids identical) >60% identity with other Gamma-protocadherin-B proteins
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	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, 0.1% 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
Antibody Positive Control:	1 µg/ml of SMC-452 was sufficient for detection of Protocadherin Gamma B2 in 20 µg of COS cell lysate (transiently transfected with GFP-tagged Protocadherin Gamma B2) by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~100 kDa protein.
Antibody Specificity:	High
Antibody Cross Reactivities:	No cross-reactivity against other Protocadherin Gamma -A, -B or -C proteins. Very strong ~90 KDa protein that might be target in mouse brain lysates.

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

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