

AB-NN304-1

Protocadherin Gamma C3 Antibody

Pan-specific monoclonal antibody (S174B-27) for monitoring the expression of mouse Protocadherin Gamma C3



KINEXUS

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Target Protein

Name Long:	Protocadherin gamma-C3
Alias:	PCDHGC3, Cadherin like 2, PC 43, PC43, PCDH 2, PCDH gamma C3, PCDH2, PCDHGC 3, Protocadherin 2, Protocadherin 43, Protocadherin gamma C3, Protocadherin gamma subfamily C 3, Protocadherin2, Protocadherin43, Pcdhgb6
UniProt ID:	Q91XX1 - Mouse
Human Predicted Mass (kDa):	101.077 (934 AA; Q9UN70-1); 94.458 (863 AA; Q9UN70-2)
Observed SDS-PAGE Mass (kDa):	100

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 720-804 (variable cytoplasmic domain) of mouse Gamma- protocadherin-C3. Human: 97% identity (83/85 amino acids identical). Rat: 97% identity (83/85 amino acids identical). No significant identity with other Gamma-protocadherin 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-474 was sufficient for detection of Protocadherin Gamma C3 in 20 µg of COS cell lysate (transiently transfected with GFP-tagged Protocadherin Gamma C3 plasmids) 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:	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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