

AB-NN308-1

Protocadherin Gamma (pan) Antibody

Pan-specific monoclonal antibody (S159-5) for monitoring the expression of mouse Protocadherin Gamma (pan)



KINEXUS

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Target Protein

Name Long:	Protocadherin gamma A1
Alias:	PCDH gamma A, PCDH-gamma-A, PCDHGA, Protocadherin gamma A, Protocadherin gamma subfamily A, Gamma Protocadherin A (pan), Pan-Gamma-Protocadherin-A, Pan Gamma Protocadherin A
UniProt ID:	Q91XZ0 - Mouse
Human Predicted Mass (KDa):	101.226 (931 AA; Q9Y5H4-1); 90.160 (823 AA; Q9Y5H4-2)
Observed SDS-PAGE Mass (KDa):	100

Immunogen

Antibody Immunogen Source:	Fusion protein corresponding to amino acids 808-931 (C-terminal cytoplasmic constant domain) of mouse Protocadherin-gamma-A1 that is shared by all 22 Gamma-protocadherins (A subfamily amino acids ~807-930, B subfamily amino acids ~789-912 and C subfamily amino acids ~818-941). 99% identity with human (123/124 amino acids).
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	172 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 IHC
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-454 was sufficient for detection of Protocadherin gamma (pan) 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 ~100 kDa protein.
Antibody Cross Reactivities:	Cross-reacts with all Gamma-protocadherin-A, -B and -C proteins.

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