

AB-NN308-2

Protocadherin Gamma A (pan) Antibody

Pan-specific monoclonal antibody (S144-32) for monitoring the expression of mouse Protocadherin Gamma A (pan)



KINEXUS

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Target Protein

Name Long:	Protein Pcdhga3
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:	Q91XY5 - Mouse
Human Predicted Mass (KDa):	100.971 (932 AA; Q9Y5H0-1); 90.473 (829 AA; Q9Y5H0-2)
Observed SDS-PAGE Mass (KDa):	100

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 720-804 (variable cytoplasmic domain) of mouse Gamma-protocadherin-A3. Human: 80% identity (68/84 amino acids identical) >75% identity with other Gamma-protocadherin-A proteins
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG2b
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-453 was sufficient for detection of Protocadherin Gamma A (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:	In mouse brain lysates, this antibody detects a ~100 kDa protein.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	Cross-reacts with other Gamma protocadherin-A proteins. No cross-reactivity against Gamma protocadherin-B or -C proteins. One strong 20 KDa cross-reactive protein in mouse brain lysates.

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