

AB-NN302-1

Protocadherin Gamma A3 Antibody

Pan-specific monoclonal antibody (S144-17) for monitoring the expression of mouse Protocadherin Gamma A3



KINEXUS

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Target Protein

Name Long:	Protocadherin gamma-A3
Alias:	PCDHGA3, PCDG3, PCDH gamma A3, Protocadherin gamma subfamily A 3, Protocadherin gamma-A3, Gamma Protocadherin-A3, Gamma-Protocadherin-A3
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 protein.
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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-451 was sufficient for detection of Protocadherin Gamma A3 in 20 µg of COS cell lysate (transiently transfected with GFP-tagged Protocadherin Gamma A3) 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. Two cross-reactive protein of ~38 and 44 KDa 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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