

Anti-Pan-Gamma-Protocadherin-Constant Antibody



Product Details

Available Variants	100 µL (SKU:75-185)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N159/5
Gene Name	Pcdhga3
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.113
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Species Reactivity	Mouse, Rat
Immunogen	Fusion protein corresponding to amino acids 808-931 (C-terminal cytoplasmic constant domain) of mouse Gamma-protocadherin-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); produced recombinantly in E. Coli
Specificity	Cross-reacts with all Gamma protocadherin-A, -B and -C proteins
Molecular Weight	100 kDa
Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Antibody Registry ID	AB_2159449
UniProt ID	<u>Q91XY5</u>
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

Product Images

WT

P0 Spinal Cord

KO

Immunostaining of spinal cord samples from WT and Gamma-protocadherin KO mice with N159/5 TC supe. Data courtesy of Joshua Weiner, University of Iowa.

500

279

251

164

121

98

64

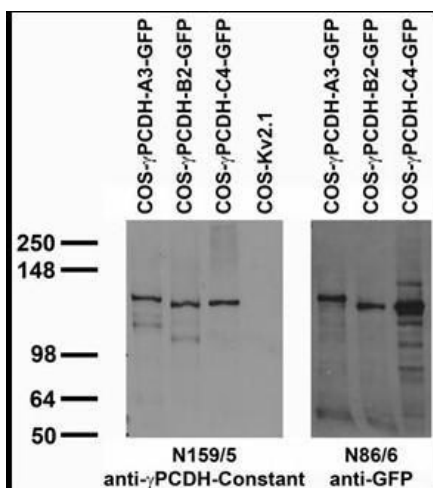
50

N159/5 TC supe 1:5

N159/5 Pure 10 $\mu\text{g/mL}$

N159/5 Pure 1 $\mu\text{g/mL}$

Adult rat brain membrane immunoblot.



Transfected cell immunoblot: extracts of COS cells transiently transfected with GFP-tagged Gamma-protocadherin-A3, -B2 and -C4 and untagged Kv2.1 plasmids and probed with N159/5 (left) and N86/8 (right) TC supe.

Product Page URL: www.antibodiesinc.com/products/anti-pan-gamma-protocadherin-constant-antibody-n159-5-75-185



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