

# Protocadherin Gamma Monoclonal Antibody (N159/5), APC

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	N159/5
Conjugate	APC
Excitation/Emission Max	651/660 nm
Immunogen	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).
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	47.35mM phosphate/2.15mM MES, pH 7.4, with 1.033mM EDTA
Contains	no preservative
Storage conditions	4° C

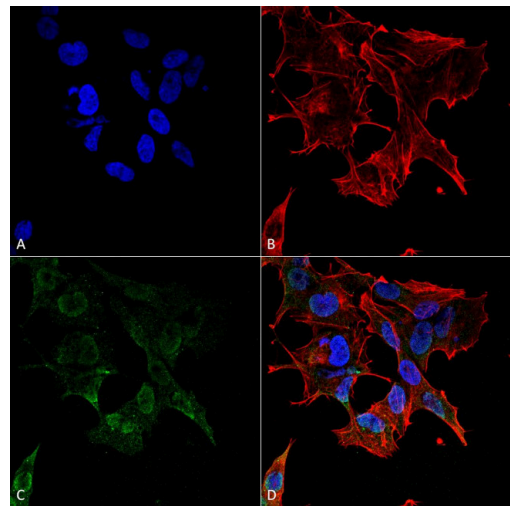
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (IHC)	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:100	-

## Product Specific Information

1 µg/mL of MA5-45658 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. Detects approximately 100kDa. Cross-reacts with all Gamma-protocadherin-A, -B and -C proteins.

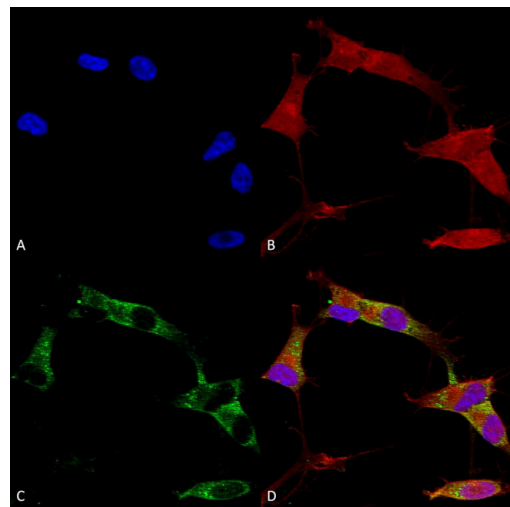
This antibody was formerly sold as clone S159-5.

Product Images For Protocadherin Gamma Monoclonal Antibody (N159/5), APC



**Protocadherin Gamma Antibody (MA5-45658) in ICC/IF**

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% Formaldehyde for 15 min at RT. Samples were incubated with Protocadherin Gamma (pan) monoclonal antibody (Product # MA5-45658) at 1:100 for 60 min at RT, followed by Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain used was Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1,000, 1:5,000 for 60 min at RT, 5 min at RT. Localization: Cell Membrane, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Protocadherin Gamma (pan) antibody. (D) Composite.

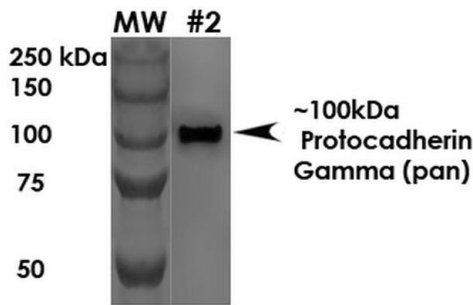


**Protocadherin Gamma Antibody (MA5-45658) in ICC/IF**

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% PFA for 15 min. Samples were incubated with Protocadherin Gamma (pan) monoclonal antibody (Product # MA5-45658) at 1:100 for overnight at 4°C with slow rocking, followed by AlexaFluor 488 at 1:1,000 for 1 hour at RT. Counterstain used was Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Protocadherin Gamma (pan) antibody (D) Composite.

**Protocadherin Gamma Antibody (MA5-45658) in WB**

Western Blot analysis of Rat Brain Membrane showing detection of ~100 kDa Protocadherin Gamma protein. Load: 10 µg. Samples were incubated with Protocadherin Gamma monoclonal antibody (Product # MA5-45658) at 1:1,000 for 1 hour at RT, followed by Goat Anti-Mouse HRP at 1:200 for 1 hour at RT. Predicted/Observed Size: ~100 kDa.



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