

# Product Datasheet

## PCDHGA1 Antibody (S159-5) - Pan Specific - BSA Free NBP2-42207

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-42207**

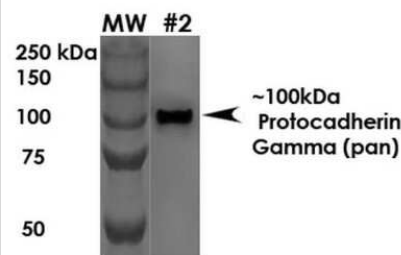
PCDHGA1 Antibody (S159-5) - Pan Specific - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S159-5
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse PCDHGA1 Antibody (S159-5) - Pan Specific - BSA Free (NBP2-42207) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	56114
Gene Symbol	PCDHGA1
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays sequence identity for non-tested species: Rat.
Specificity/Sensitivity	Detects approx 100kDa. Cross-reacts with all Gamma-protocadherin-A, -B and -C proteins.
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). 99% identity with human (123/124 amino acids).
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100
Application Notes	1 ug/ml of Protocadherin Gamma (pan) Antibody was sufficient for detection of Protocadherin gamma (pan) in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

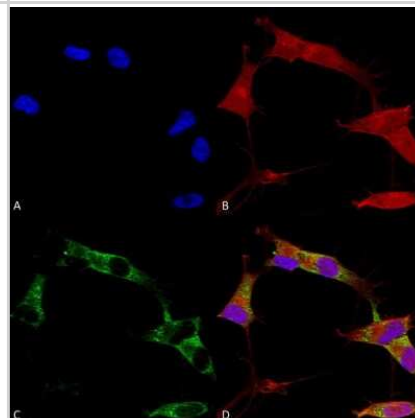


## Images

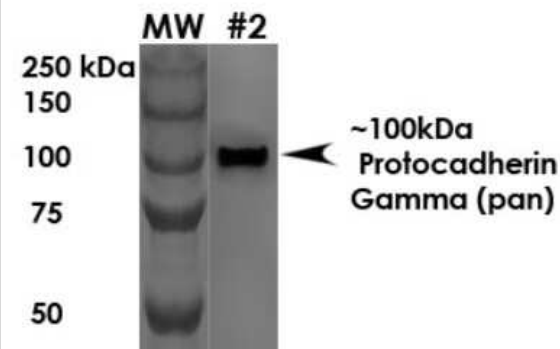
**Western Blot: PCDHGA1 Antibody (S159-5) - Pan Specific [NBP2-42207]** - Western Blot analysis of Rat Brain Membrane showing detection of ~100 kDa PCDHGA1 protein using Mouse Anti-PCDHGA1 Monoclonal Antibody, Clone S159-5 (NBP2-42207). Load: 10 ug. Primary Antibody: Mouse Anti-PCDHGA1 Monoclonal Antibody (NBP2-42207) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse HRP at 1:200 for 1 hour at RT. Predicted/Observed Size: ~100 kDa.



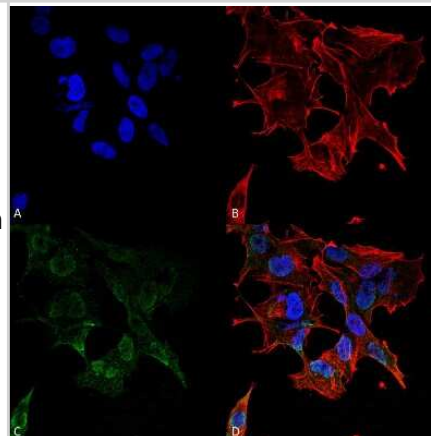
**Immunocytochemistry/Immunofluorescence: PCDHGA1 Antibody (S159-5) - Pan Specific [NBP2-42207]** - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-PCDHGA1 (pan) Monoclonal Antibody, Clone S159-5 (NBP2-42207). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-PCDHGA1 (pan) Monoclonal Antibody (NBP2-42207) at 1:100 for overnight at 4C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: 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) PCDHGA1 (pan) Antibody (D) Composite.



**Western Blot: PCDHGA1 Antibody (S159-5) - Pan Specific [NBP2-42207]** - analysis of Rat Brain Membrane showing detection of 100 kDa Protocadherin Gamma protein using Mouse Anti-Protocadherin Gamma Monoclonal Antibody, Clone S159-5. Load: 10 ug. Primary Antibody: Mouse Anti-Protocadherin Gamma Monoclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse HRP at 1:200 for 1 hour at RT. Predicted/Observed Size: 100 kDa.



**Immunocytochemistry/Immunofluorescence: PCDHGA1 Antibody (S159-5) - Pan Specific [NBP2-42207]** - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-PCDHGA1 (pan) Monoclonal Antibody, Clone S159-5 (NBP2-42207). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-PCDHGA1 (pan) Monoclonal Antibody (NBP2-42207) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 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) PCDHGA1 (pan) Antibody. (D) Composite.





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### **Products Related to NBP2-42207**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-80940PEP	PCDHGA1 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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