

# Product Datasheet

## TRPC5 Antibody (N67/15) - BSA Free NBP2-12919

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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**NBP2-12919**

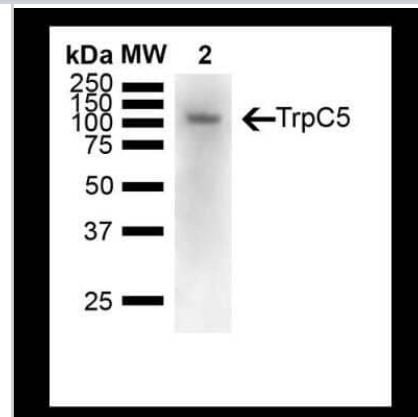
TRPC5 Antibody (N67/15) - BSA Free

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	N67/15
Preservative	0.09% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse TRPC5 Antibody (N67/15) - BSA Free (NBP2-12919) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7224
Gene Symbol	TRPC5
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 110kDa.
Immunogen	Synthetic peptide amino acids 827-845 of human TrpC5 (also known as short transient receptor potential channel 5, and Htrp5)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin 0.1-1.0 ug/ml, Microarray
Application Notes	1 ug/ml of TrpC5 Antibody was sufficient for detection of TrpC5 in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

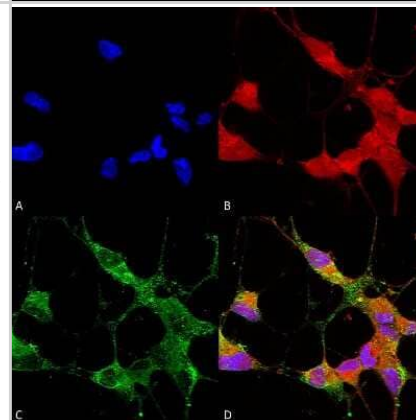


## Images

**Western Blot: TRPC5 Antibody (N67/15) [NBP2-12919]** - Western Blot analysis of Mouse brain showing detection of 110 kDa TrpC5 protein using Mouse Anti-TrpC5 Monoclonal Antibody, Clone N67/15 (NBP2-12919). Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Brain. Load: 15 ug. Block: 5% Skim Milk powder in TBST. Primary Antibody: Mouse Anti-TrpC5 Monoclonal Antibody (NBP2-12919) at 1:1000 for Overnight at 4C. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:7000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT. Predicted/Observed Size: 110 kDa.



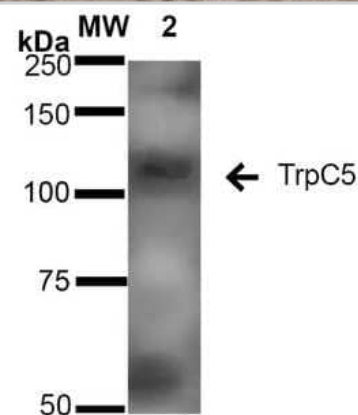
**Immunocytochemistry/Immunofluorescence: TRPC5 Antibody (N67/15) [NBP2-12919]** - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpC5 Monoclonal Antibody, Clone N67/15 (NBP2-12919). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-TrpC5 Monoclonal Antibody (NBP2-12919) at 1:50 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) TrpC5 Antibody (D) Composite.



**Immunohistochemistry: TRPC5 Antibody (N67/15) [NBP2-12919]** - Immunohistochemistry analysis using Mouse Anti-TrpC5 Monoclonal Antibody, Clone N67/15 (NBP2-12919). Tissue: Brain Slice. Species: Mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-TrpC5 Monoclonal Antibody (NBP2-12919) at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 I for 5 minutes at RT. Localization: Nuclear staining. Magnification: 10X.



**Western Blot: TRPC5 Antibody (N67/15) [NBP2-12919]** - Rat Brain Membrane showing detection of ~110 kDa TrpC5 protein using Mouse Anti-TrpC5 Monoclonal Antibody, Clone S67-15. Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Brain Membrane cell lysate. Load: 20 ug. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-TrpC5 Monoclonal Antibody (NBP2-12919) at 1:1000 for 16 hours at 4 degrees C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:100 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~110 kDa. Other Band(s): 160kDa, 60kDa.





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### **Products Related to NBP2-12919**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBL1-17334	TRPC5 Overexpression Lysate

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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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