

Product Datasheet

TRPM7 Antibody (S74) - BSA Free NBP2-12906

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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NBP2-12906

TRPM7 Antibody (S74) - BSA Free

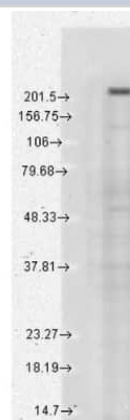
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S74
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

Product Description	
Host	Mouse
Gene ID	54822
Gene Symbol	TRPM7
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 220kDa. No cross-reactivity against TrpM6.
Immunogen	Fusion protein amino acids 1817-1863 (C- terminus) of mouse TrpM7

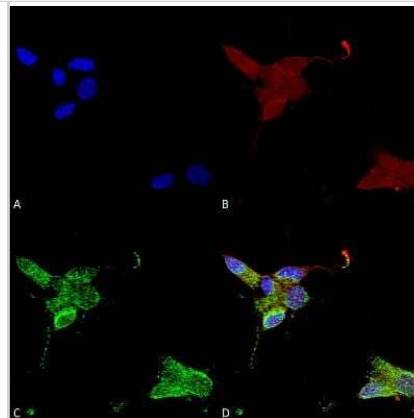
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000, Microarray
Application Notes	1 ug/ml of TrpM7 Antibody was sufficient for detection of TrpM7 in 10 ug of COS cell lysate transiently transfected with TrpM7 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

Images

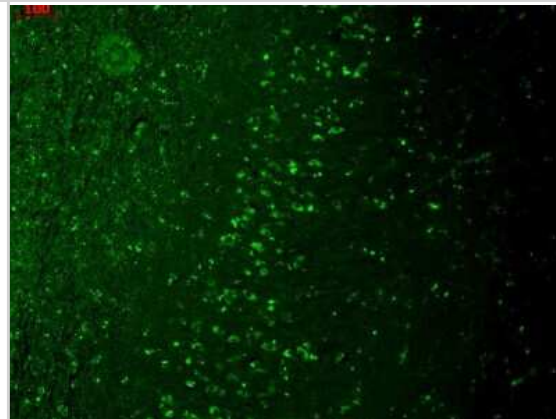
Western Blot: TRPM7 Antibody (S74) [NBP2-12906] - Western Blot analysis of Human Cell lysates showing detection of TrpM7 protein using Mouse Anti-TrpM7 Monoclonal Antibody, Clone S74 (NBP2-12906). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-TrpM7 Monoclonal Antibody (NBP2-12906) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



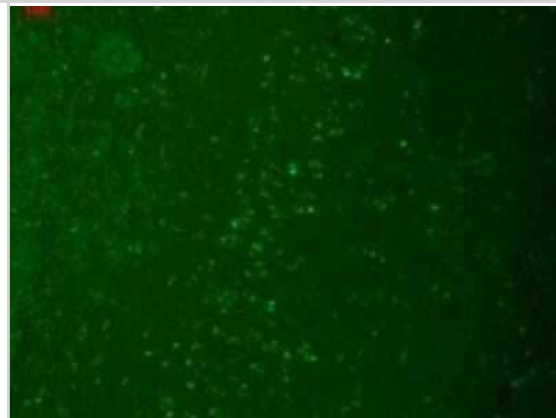
Immunocytochemistry/Immunofluorescence: TRPM7 Antibody (S74) [NBP2-12906] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpM7 Monoclonal Antibody, Clone S74 (NBP2-12906). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-TrpM7 Monoclonal Antibody (NBP2-12906) 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) TrpM7 Antibody (D) Composite.



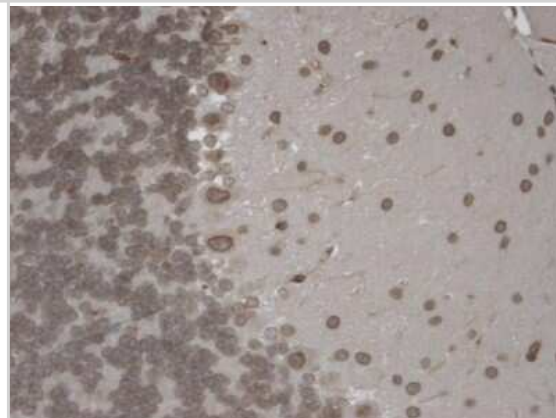
Immunohistochemistry: TRPM7 Antibody (S74) [NBP2-12906] - Immunohistochemistry analysis using Mouse Anti-TrpM7 Monoclonal Antibody, Clone S74 (NBP2-12906). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-TrpM7 Monoclonal Antibody (NBP2-12906) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Immunocytochemistry/Immunofluorescence: TRPM7 Antibody (S74) [NBP2-12906] - Human hippocampal tissues.



Immunohistochemistry: TRPM7 Antibody (S74) [NBP2-12906] - Immunohistochemistry analysis using Mouse Anti-TrpM7 Monoclonal Antibody, Clone S74 (NBP2-12906). Tissue: Brain Slice. Species: Mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-TrpM7 Monoclonal Antibody (NBP2-12906) 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 of both neurons and glia.



Publications

Pugliese D, Armuzzi A, Castri F et al. TRPM7 is overexpressed in human IBD-related and sporadic colorectal cancer and correlates with tumor grade Digestive and Liver Disease 2020-06-01 [PMID: 32505565] (IHC-P, IF/IHC, Human)



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Products Related to NBP2-12906

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-12906PE	TRPM7 Antibody (S74) [PE]

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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