

Product Datasheet

Vanilloid R-like 3/TRPV3 Antibody (S15/4) - BSA Free NBP2-12909

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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NBP2-12909

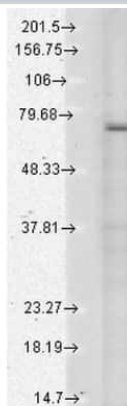
Vanilloid R-like 3/TRPV3 Antibody (S15/4) - BSA Free

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	S15/4
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	162514
Gene Symbol	TRPV3
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 70 kDa.
Immunogen	Synthetic peptide amino acids 774-791 (C-terminus) of rat TrpV3
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin 1:1000, Microarray
Application Notes	1 ug/ml of TrpV3 Antibody was sufficient for detection of TrpV3 in 10 ug of COS-1 cell lysate transiently transfected with TrpV3 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

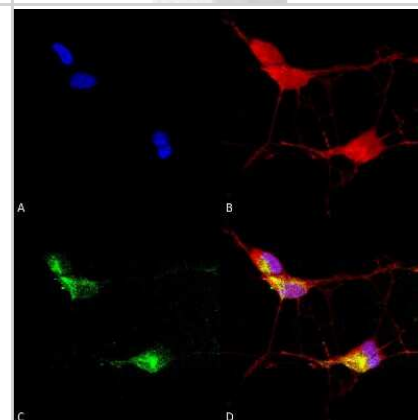


Images

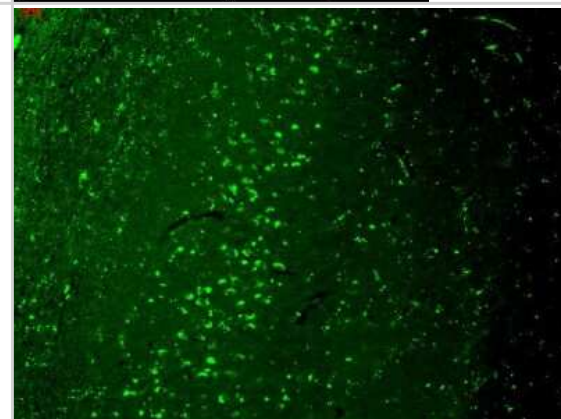
Western Blot: Vanilloid R-like 3/TRPV3 Antibody (S15/4) [NBP2-12909] -
 Western Blot analysis of Human Cell lysates showing detection of TrpV3 protein using Mouse Anti-TrpV3 Monoclonal Antibody, Clone N15/4 (NBP2-12909). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (NBP2-12909) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



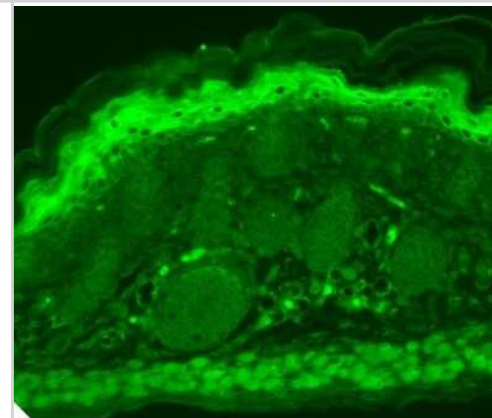
Immunocytochemistry/Immunofluorescence: Vanilloid R-like 3/TRPV3 Antibody (S15/4) [NBP2-12909] -
 Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone N15/4 (NBP2-12909). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (NBP2-12909) 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) TrpV3 Antibody (D) Composite.



Immunohistochemistry: Vanilloid R-like 3/TRPV3 Antibody (S15/4) [NBP2-12909] - Immunohistochemistry analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone N15/4 (NBP2-12909). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (NBP2-12909) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Immunohistochemistry: Vanilloid R-like 3/TRPV3 Antibody (S15/4) [NBP2-12909] - Immunohistochemistry analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone N15/4 (NBP2-12909). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (NBP2-12909) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Publications

Csilla Szűcs Somogyi, Csaba Matta, Zsolia Foldvari, Tamás Juhász, Éva Katona, Ádám Roland Takács, Tibor Hajdú, Nóra Dobrosi, Pál Gergely, Róza Zákány, Alan C. Leonard Polymodal Transient Receptor Potential Vanilloid (TRPV) Ion Channels in Chondrogenic Cells International Journal of Molecular Sciences 2015-08-07 [PMID: 26262612]

Ambrus L, Kelemen B, Szabo T, Biro T, et al. Human podocytes express functional thermosensitive TRPV channels Br. J. Pharmacol. 2017-09-25 [PMID: 28945920] (ICC/IF, Human)





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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP2-57314PEP	Vanilloid R-like 3/TRPV3 Recombinant Protein Antigen

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