

Product Datasheet

TRPV4 Antibody - BSA Free

NBP2-41262

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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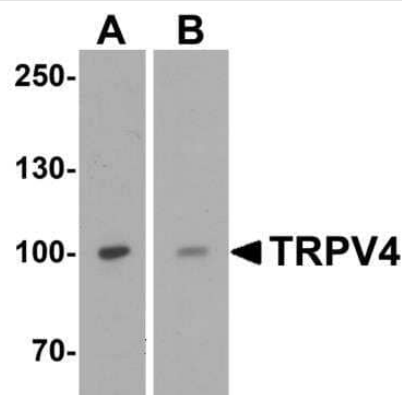
NBP2-41262

TRPV4 Antibody - BSA Free

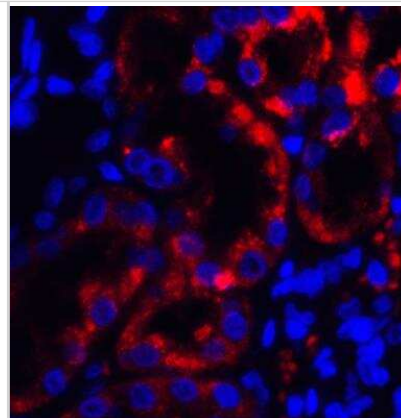
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	100 kDa
Product Description	
Host	Rabbit
Gene ID	59341
Gene Symbol	TRPV4
Species	Human
Specificity/Sensitivity	TRPV4 antibody is human specific. At least six isoforms of TRPV4 are known to exist. This antibody is predicted to not cross-react with other TRP protein family members.
Immunogen	Antibody was raised against an 18 amino acid peptide near the center of human TRPV4. The immunogen is located within amino acids 380 - 430 of TRPV4. Amino Acid Squence: RREVTDEDTRHLSRKFKD
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, ELISA, Immunohistochemistry 2 ug/ml, Immunocytochemistry/ Immunofluorescence 5 ug/ml, Immunohistochemistry-Paraffin 2 ug/ml

Images

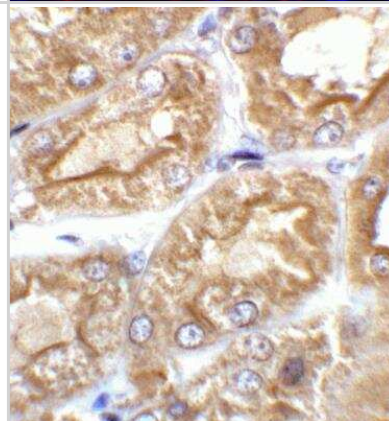
Western Blot: TRPV4 Antibody [NBP2-41262] - Analysis of TRPV4 in (A) human testis tissue and (B) SK-N-SH cell lysate with TRPV4 antibody at 1 ug/mL.



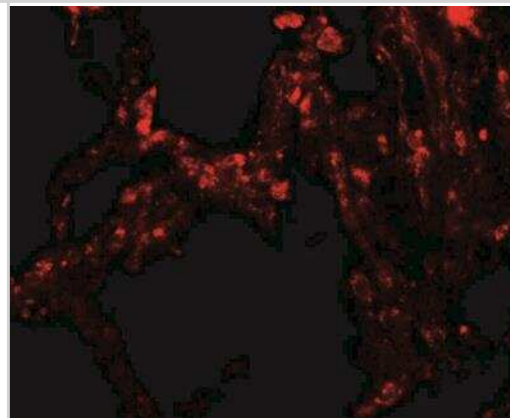
Immunocytochemistry/Immunofluorescence: TRPV4 Antibody [NBP2-41262] - Human kidney tissue with TRPV4 antibody at 5 ug/ml.



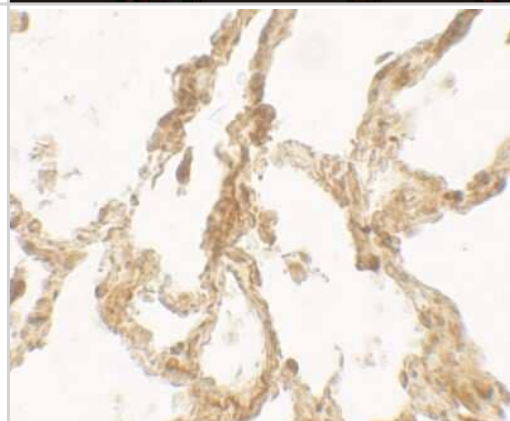
Immunohistochemistry-Paraffin: TRPV4 Antibody [NBP2-41262] - Human kidney tissue with TRPV4 antibody at 2 ug/ml.



Immunocytochemistry/Immunofluorescence: TRPV4 Antibody [NBP2-41262] - TRPV4 in human lung tissue with TRPV4 antibody at 20 ug/mL.



Immunohistochemistry-Paraffin: TRPV4 Antibody [NBP2-41262] - TRPV4 in human lung tissue with TRPV4 antibody at 5 ug/mL.



Publications

Jianing Liu, Cong Wang, Wenyu Wang, Ning Ding, Jiaxin Liu, Hanwen Liu, Jiliang Wen, Wendong Sun, Shulu Zu, Xiulin Zhang, Jieke Yan Activation of Piezo1 or TRPV2 channels inhibits human ureteral contractions via NO release from the mucosa *Frontiers in Pharmacology* 2024-06-26 [PMID: 38989142]

Lambiase A, Mallone F, Sacchetti M et al. Patients with neurotrophic keratitis demonstrate alterations in ocular surface expression of transient receptor potential (TRP) channels *The ocular surface* 2023-11-07 [PMID: 37939847] (WB, Human)

Alimohammadi S, PEnzes Z, HorvAth D et al. TRPV4 activation increases the expression of CD207 (Langerin) of monocyte-derived Langerhans cells, without affecting their maturation *The Journal of investigative dermatology* 2022-12-08 [PMID: 36502939] (WB, Human)

Zhao M, Chen Z, Liu L et al. Functional Expression of Transient Receptor Potential and Piezo1 Channels in Cultured Interstitial Cells of Human-Bladder Lamina Propria *Frontiers in physiology* 2022-01-06 [PMID: 35069237] (IF/IHC, Human)





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Products Related to NBP2-41262

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBL1-17343	TRPV4 Overexpression Lysate

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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