

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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Publications: 4

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Updated 9/9/2025 v.20.1

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NBP2-41262

TRPV4 Antibody - BSA Free

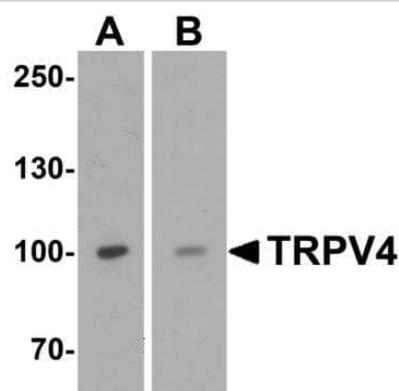
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	100 kDa

Product Description	
Description	Novus Biologicals Rabbit TRPV4 Antibody - BSA Free (NBP2-41262) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-TRPV4 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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 Sequence: RREVTDEDTRHLSRKFKD

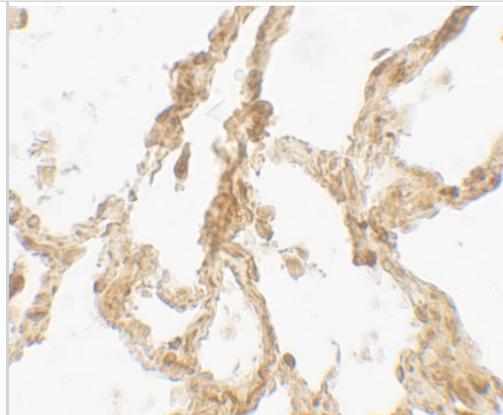
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/ml, ELISA, Immunohistochemistry 2 ug/ml, Immunohistochemistry-Paraffin 2 ug/ml

Images

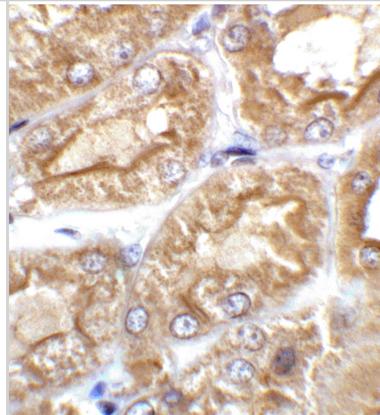
Western Blot: TRPV4 Antibody [NBP2-41262] - Analysis of TRPV4 in (A) human testis tissue and (B) SK-N-SH cell lysate with TRPV4 antibody at 1 ug/mL.



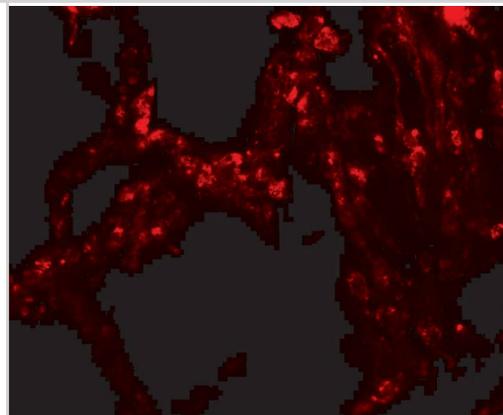
Immunohistochemistry: TRPV4 Antibody - BSA Free [NBP2-41262] - Immunohistochemistry of TRPV4 in human lung tissue with TRPV4 antibody at 5 ug/mL.



Immunohistochemistry: TRPV4 Antibody - BSA Free [NBP2-41262] - Immunohistochemistry of TRPV4 in human kidney tissue with TRPV4 antibody at 2 ug/ml.

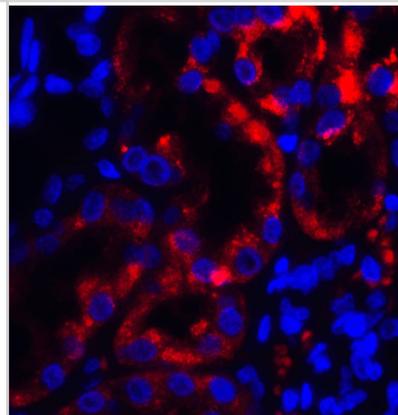


Immunocytochemistry/ Immunofluorescence: TRPV4 Antibody - BSA Free [NBP2-41262] - Immunofluorescence of TRPV4 in human lung tissue with TRPV4 antibody at 20 ug/mL.

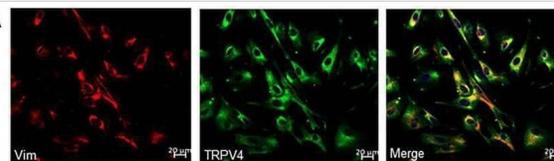


Immunocytochemistry/ Immunofluorescence: TRPV4 Antibody - BSA Free [NBP2-41262] - Immunofluorescence of TRPV4 in human kidney tissue with TRPV4 antibody at 5 ug/ml.

Red: TRPV4 Antibody
Blue: DAPI staining



Immunofluorescence for Vim (red) and TRP or Piezo channels (green) in cultured LP-ICs. Double staining reveals the protein expression of TRPV4 (A), piezo1 (B), TRPA1 (C), TRPV2 (D), TRPV1 (E), TRPM8 (F) and Piezo2 (G) in most of the Vim+ LP-ICs. The nucleus marker (DAPI) is stained in blue. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35069237>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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