

Product Datasheet

TRPV4 Antibody NB110-74960

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB110-74960

TRPV4 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
Isotype	IgG
Purity	Unpurified
Buffer	Lyophilized from whole antisera
Target Molecular Weight	98 kDa

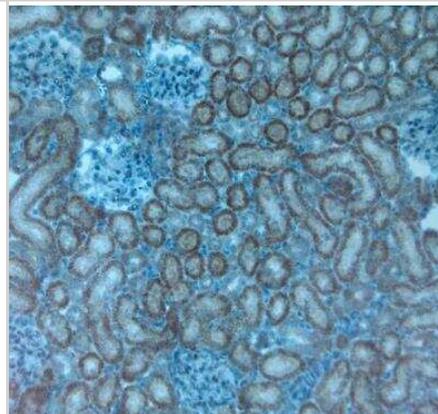
Product Description	
Host	Rabbit
Gene ID	59341
Gene Symbol	TRPV4
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Marmoset (100%).
Immunogen	A synthetic peptide from amino acid region 300-400 of mouse TRPV4 conjugated to blue carrier protein was used as the antigen. The peptide is homologous in rat and human.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry 1:1000-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1: 1000 - 1: 2000
Application Notes	ICC/IF, IHC reactivity reported in (PMID: 22761937).

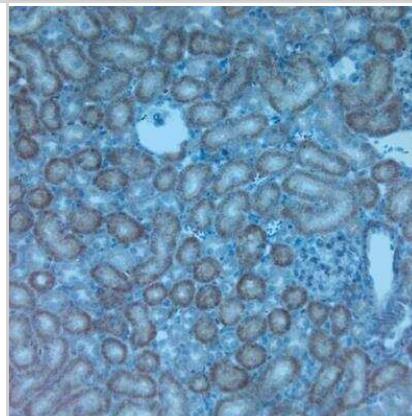


Images

Immunohistochemistry-Paraffin: TRPV4 Antibody [NB110-74960] - Rat kidney using Rabbit antibody to TRPV4, dilution 1: 1000, incubated 30 min at RT (using Autostainer).



Immunohistochemistry-Paraffin: TRPV4 Antibody [NB110-74960] - Rat kidney using Rabbit antibody to TRPV4, dilution 1: 1000, incubated 30 min at RT (using Autostainer)



Publications

Yahya F, Mohd Bakri M, Hossain MZ et al. Combination Treatment of TRPV4 Agonist with Cisplatin Promotes Vessel Normalization in an Animal Model of Oral Squamous Cell Carcinoma *Medicina (Kaunas)* 2022-09-06 [PMID: 36143906] (IHC)

Wheeler MA, Smith CJ, Ottolini M et al. Genetically targeted magnetic control of the nervous system. *Nat Neurosci* 2016-05-01 [PMID: 26950006]

Lunov O, Zablotskii V, Syrovets T et al. WITHDRAWN: Static High-Gradient Magnetic Fields Activate Transient Receptor Potential Vanilloid 4 (TRPV4) Ion Channels Enabling Remote Control of Cell Function. *J Biol Chem* 2013-06-24 [PMID: 23760272]

Singh V, Ram M, Kandasamy K et al. Molecular and functional characterization of TRPV4 channels in pregnant and nonpregnant mouse uteri. *Life Sci.* 2014-12-19 [PMID: 25529150] (WB, Mouse)

Details:

TRPV4 antibody used for WB to demonstrate the presence of TRPV4 protein in late pregnant and nonpregnant mouse uterus.

Butenko O, Dzamba D, Benesova J et al. The Increased Activity of TRPV4 Channel in the Astrocytes of the Adult Rat Hippocampus after Cerebral Hypoxia/Ischemia *PLoS One* 2012-01-01 [PMID: 22761937] (ICC/IF, IF/IHC, Rat)



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Products Related to NB110-74960

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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