

## Product Datasheet

### TRPV4 Antibody (orb1240253)

<b>Catalog Number</b>	orb1240253
<b>Category</b>	Antibodies
<b>Description</b>	TRPV4 Antibody
<b>Target</b>	TRPV4
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Predicted Reactivity</b>	Mouse, Rat
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1 mg/mL
<b>Buffer/Preservatives</b>	TRPV4 antibody is supplied in PBS containing 0.02% sodium azide.
<b>Purification</b>	TRPV4 antibody is affinity chromatography purified via peptide column.
<b>Immunogen</b>	TRPV4 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.
<b>UniProt ID</b>	<b>Q9HBA0</b>
<b>MW</b>	Predicted: 96 kDa Observed: 100 kDa

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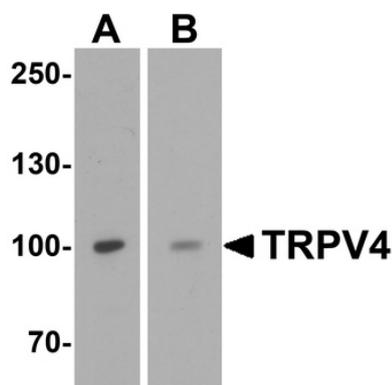
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<b>Tested applications</b>	ELISA, IF, IHC-P, WB
<b>Application notes</b>	TRPV4 antibody can be used for detection of TRPV4 by Western blot at 1 µg/ml. Antibody can also be used for Immunohistochemistry starting at 2 µg/mL. For immunofluorescence start at 5 µg/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
<b>Specificity</b>	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.
<b>Antibody Type</b>	Primary Antibody
<b>Modifications</b>	None
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_067638</b>



Western blot analysis of TRPV4 in (A) human testis tissue and (B) SK-N-SH cell lysate with TRPV4 antibody at 1 µg/mL.

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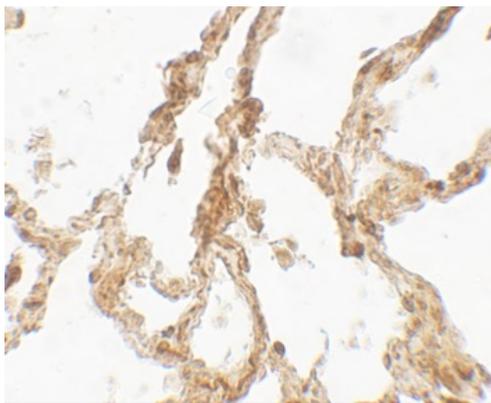
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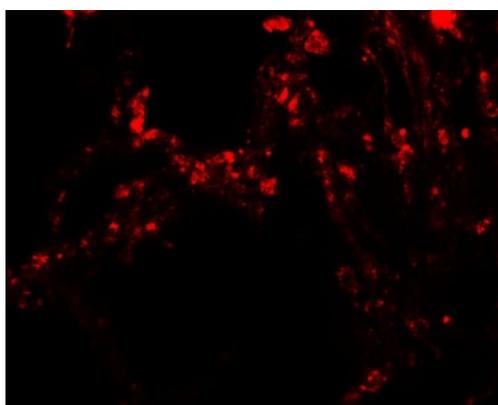
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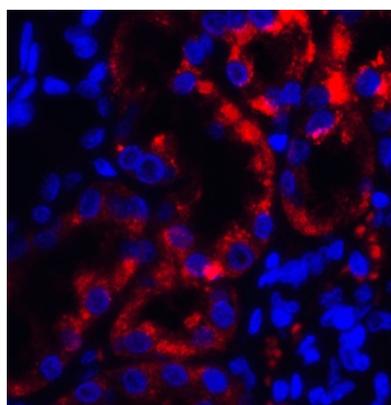
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Immunohistochemistry of TRPV4 in human lung tissue with TRPV4 antibody at 5 µg/mL.



Immunofluorescence of TRPV4 in human lung tissue with TRPV4 antibody at 20 µg/mL.



Immunofluorescence of TRPV4 in human kidney tissue with TRPV4 antibody at 5 µg/mL. Red: TRPV4 Antibody (orb1240253) Blue: DAPI staining.

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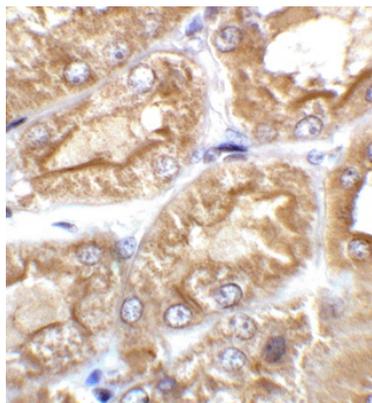
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Immunohistochemistry of TRPV4 in human kidney tissue with TRPV4 antibody at 2 µg/ml.

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