

Product Datasheet

TRPV4 Rabbit Polyclonal Antibody (orb575481)

Catalog Number	orb575481
Category	Antibodies
Description	Rabbit polyclonal antibody to TRPV4
Target	TRPV4
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Human, Rat
Predicted Reactivity	Bovine, Canine, Guinea pig, Mouse, Porcine, Rabbit
Form/Appearance	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml
Buffer/Preservatives	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification	Affinity Purified
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TRPV4
Protein Sequence	Synthetic peptide located within the following region: RVDEVNWSHWNQNLGIINEDPGKNETYQYYGFSHTVGRLRRDRWSSVPR
UniProt ID	Q9HBA0

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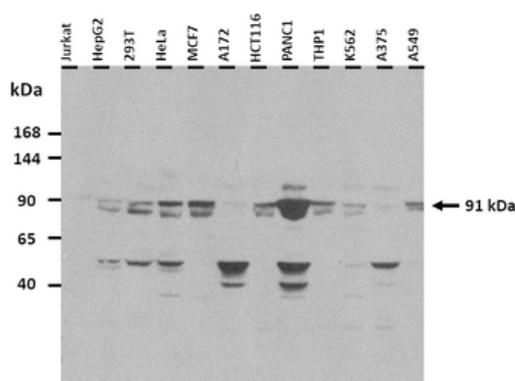
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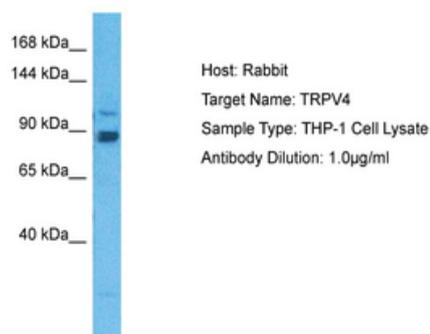
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MW	98 kDa
Tested applications	IHC, WB
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
NCBI	NP_671737



25 ug of the indicated Human whole cell extracts was loaded onto a 6-18% SDS-PAGE gel. 0.3 ug/ml of the antibody was used in this experiment. Isoform 2 is identified as 91 kDa, the canonical 98 kDa form can be observed in some samples, and several isoforms of this protein contain the immunizing peptide including a 60 kDa form.



Sample Tissue: Human THP-1 Whole Cell, Antibody dilution: 1 ug/ml.

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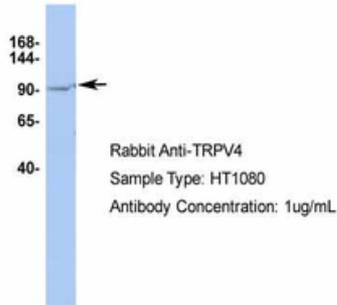
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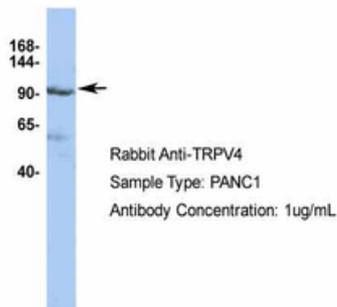
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TRPV4



Sample Type: HT1080, Antibody dilution: 1.0 ug/ml.

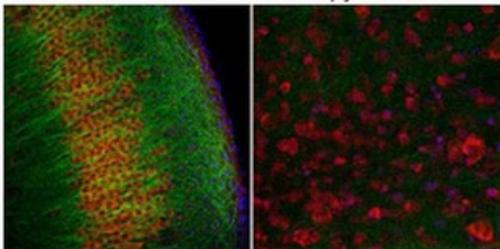
TRPV4



Sample Type: PANC1, Antibody dilution: 1.0 ug/ml. TRPV4 is supported by BioGPS gene expression data to be expressed in PANC1.

a) Pyramidal zone (CA1 band)

b) Outside the pyramidal zone



Rat Hippocampus

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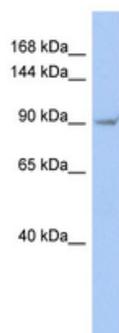
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WB Suggested Anti-TRPV4 Antibody Titration: 0.2-1 ug/ml, ELISA
Titer: 1:312500, Positive Control: HT1080 cell lysate.

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