TRPV4 rabbit pAb

Cat#: orb766645 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	TRPV4 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human TRPV4. AA range:417-466
Specificity	TRPV4 Polyclonal Antibody detects endogenous levels of TRPV4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Transient receptor potential cation channel subfamily V member 4
Gene Name	TRPV4
Cellular localization	Cell membrane . Apical cell membrane ; Multi-pass membrane protein . Cell junction, adherens junction . Cell projection, cilium . Assembly of the putative homotetramer occurs primarily in the endoplasmic reticulum. .; [Isoform 1]: Cell membrane .; [Isofor
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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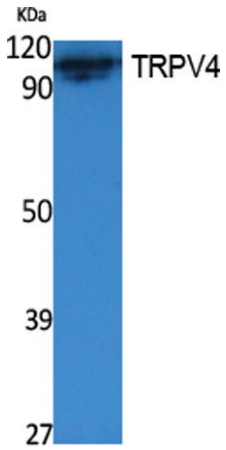
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	98kD
Human Gene ID	59341
Human Swiss-Prot Number	Q9HBA0
Alternative Names	TRPV4; VRL2; VROAC; Transient receptor potential cation channel subfamily V member 4; TrpV4; Osm-9-like TRP channel 4; OTRPC4; Transient receptor potential protein 12; TRP12;Vanilloid receptor-like channel 2; Vanilloid receptor-like protein 2; VRL-2; Vani
Background	transient receptor potential cation channel subfamily V member 4(TRPV4) Homo sapiens This gene encodes a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. The encoded protein is a Ca2+-permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. Mutations in this gene are the cause of spondylometaphyseal and metatropic dysplasia and hereditary motor and sensory neuropathy type IIC. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010],



Western Blot analysis of extracts from K562 cells, using TRPV4 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

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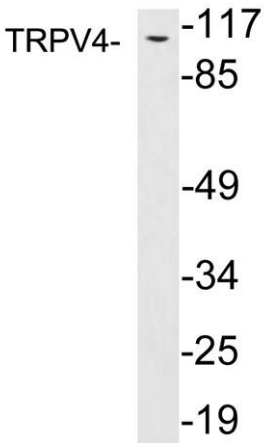

Western blot analysis of lysates from PC12 cells, using TRPV4 antibody.

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