# TRPV4 rabbit pAb

## Cat#: orb771426 (Manual)

For research use only. Not intended for diagnostic use.

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| **Product Name** | TRPV4 rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;ELISA |
| **Species Cross-Reactivity** | Human;Mouse;Rat |
| **Recommended dilutions** | WB 1:500-2000, ELISA 1:10000-20000 |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from the Internal region of human TRPV4. AA range:461-510 |
| **Specificity** | The antibody detects endogenous 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 VRL2 VROAC |
| **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 .; [Isoform 5]: Cell membrane .; [Isoform 2]: Endoplasmic reticulum .; [Isoform 4]: Endoplasmic reticulum .; [Isoform 6]: Endoplasmic reticulum . |

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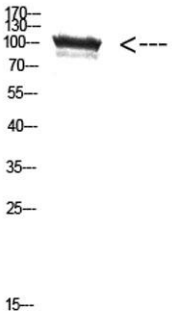
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 100kD |
| **Human Gene ID** | 59341 |
| **Human Swiss-Prot Number** | Q9HBA0 |
| **Alternative Names** | TRPV4 VRL2 VROAC |
| **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 HEPG2 cells using Antibody diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**

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