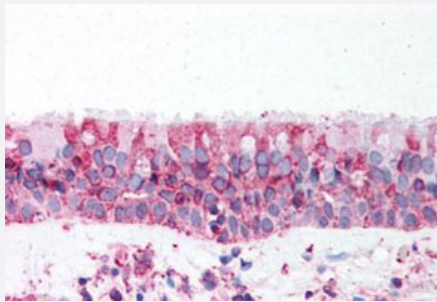


# TRPV4 polyclonal antibody

Catalog # PAB27813

Size 50 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human trachea tissue with TRPV4 polyclonal antibody (Cat # PAB27813). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of TRPV4.
<b>Immunogen</b>	A synthetic peptide corresponding to 18 amino acid at N-terminus of human TRPV4.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Specificity</b>	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
<b>Form</b>	Liquid
<b>Purification</b>	Immunoaffinity chromatography
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2.5-5 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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## Gene Info — TRPV4

Entrez GeneID [59341](#)

Protein Accession# [Q9HBA0](#)

Gene Name TRPV4

Gene Alias OTRPC4, TRP12, VR-OAC, VRL-2, VRL2, VROAC

Gene Description transient receptor potential cation channel, subfamily V, member 4

Omim ID [605427](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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 Ca<sup>2+</sup>-permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations** OSM9-like transient receptor potential channel 4|osmosensitive transient receptor potential channel 4|transient receptor potential channel 12|vanilloid receptor-related osmotically activated channel

## Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [Hyponatremia](#)
- [Osteoporosis](#)

- [Pulmonary Disease](#)