

## Datasheet

### TRPV1 polyclonal antibody

**Catalog Number:** PAB0698

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic peptide of TRPV1.

**Immunogen:** A synthetic peptide (conjugated with KLH) corresponding to amino acids 608-621 human TRPV1.

**Sequence:** PSESTSHRWGPA

**Host:** Rabbit

**Reactivity:** Human, Rat

**Applications:** IHC

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Lyophilized

**Recommend Usage:** Immunohistochemistry

(1:1000-1:2000)

The optimal dilution should be determined by the end user.

**Storage Buffer:** Lyophilized from PBS

**Storage Instruction:** Store at 4°C on dry atmosphere.

After reconstitution with deionized water, store at -20°C or lower.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 7442

**Gene Symbol:** TRPV1

**Gene Alias:** DKFZp434K0220, VR1

**Gene Summary:** Capsaicin, the main pungent ingredient in hot chili peppers, elicits a sensation of burning pain by selectively activating sensory neurons that convey information about noxious stimuli to the

central nervous system. The protein encoded by this gene is a receptor for capsaicin and is a non-selective cation channel that is structurally related to members of the TRP family of ion channels. This receptor is also activated by increases in temperature in the noxious range, suggesting that it functions as a transducer of painful thermal stimuli in vivo. Four transcript variants encoding the same protein, but with different 5' UTR sequence, have been described for this gene. [provided by RefSeq]

#### References:

1. Characterization of Functional TRPV1 Channels in the Sarcoplasmic Reticulum of Mouse Skeletal Muscle. Lotteau S, Ducreux S, Romestaing C, Legrand C, Van Coppenolle F PLoS One. 2013;8(3):e58673. doi: 10.1371/journal.pone.0058673. Epub 2013 Mar 11.