

TRPV1 rabbit monoclonal antibody

Catalog # H00007442-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human TRPV1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human TRPV1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human TRPV1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — TRPV1

Entrez GeneID	7442
GeneBank Accession#	TRPV1
Gene Name	TRPV1
Gene Alias	DKFZp434K0220, VR1
Gene Description	transient receptor potential cation channel, subfamily V, member 1
Omim ID	602076
Gene Ontology	Hyperlink
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]
Other Designations	capsaicin receptor transient receptor potential vanilloid 1a transient receptor potential vanilloid 1b vanilloid receptor subtype 1

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Abdominal Pain](#)
- [Asperger Syndrome](#)
- [Asthma](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Dyspepsia](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Obesity](#)
- [Pain](#)
- [Pancreatitis](#)
- [Social Perception](#)
- [Tobacco Use Disorder](#)