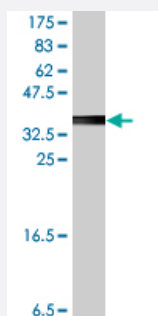


TRPV1 polyclonal antibody (A01)

Catalog # H00007442-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.55 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant TRPV1.
Immunogen	TRPV1 (NP_542437, 21 a.a. ~ 124 a.a) partial recombinant protein with GST tag.
Sequence	CPDPLDGDPNRPPPAKPQLSTAKSRTLFGKGDSEEAFPVDCPHEEGELDSCPTITVSPVITIQ RPGDGPTGARLLSQDSVAASTEKTLRLYDRRSIFEAVAQ
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.55 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — TRPV1

Entrez GeneID [7442](#)

GeneBank Accession# [NM_080706](#)

Protein Accession# [NP_542437](#)

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](#)