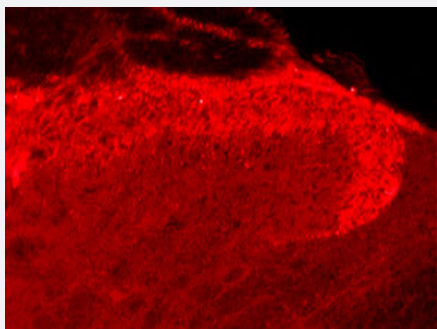


TRPV1 polyclonal antibody

Catalog # PAB0690 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemical staining of rat spinal cord.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TRPV1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 531-541 of human TRPV1.
Sequence	YFSLKEYVAS
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	Immunohistochemical analysis of rat DRG indicates a superb degree of specificity for this serum.
Form	Lyophilized
Purity	Whole serum
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 100 uL of sterile water, store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry

Immunohistochemical staining of rat spinal cord.

Gene Info — TRPV1

Entrez GeneID [7442](#)

Protein Accession# [Q8NER1](#)

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

Publication Reference

- [Ketamine potentiates TRPV1 receptor signaling in the peripheral nociceptive pathways.](#)

Flavia Lage Pessoa da Costa, Mauro Cunha Xavier Pinto, Duana Carvalho Dos Santos, Natália Virtude Carobin, Itamar Couto Guedes de Jesus, Luana Assis Ferreira, Sílvia Guatimosim, Juliana Figueira da Silva, Célio José de Castro Junior.

Biochemical Pharmacology 2020 Sep; 182:114210.

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](#)