

Datasheet for ABIN7172876

anti-TRPV1 antibody (AA 1-155) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TRPV1
Binding Specificity:	AA 1-155
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPV1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Transient receptor potential cation channel subfamily V member 1 protein (1-155AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TRPV1
Alternative Name:	TRPV1 (TRPV1 Products)
Background:	Background: Ligand-activated non-selective calcium permeant cation channel involved in

Target Details

detection of noxious chemical and thermal stimuli. Seems to mediate proton influx and may be involved in intracellular acidosis in nociceptive neurons. Involved in mediation of inflammatory pain and hyperalgesia. Sensitized by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases, which involves PKC isozymes and PCL. Activation by vanilloids, like capsaicin, and temperatures higher than 42 degrees Celsius, exhibits a time- and Ca(2+)-dependent outward rectification, followed by a long-lasting refractory state. Mild extracellular acidic pH (6.5) potentiates channel activation by noxious heat and vanilloids, whereas acidic conditions (pH <6) directly activate the channel. Can be activated by endogenous compounds, including 12-hydroperoxytetraenoic acid and bradykinin. Acts as ionotropic endocannabinoid receptor with central neuromodulatory effects. Triggers a form of long-term depression (TRPV1-LTD) mediated by the endocannabinoid anandamine in the hippocampus and nucleus accumbens by affecting AMPA receptors endocytosis.

Aliases: Capsaicin receptor antibody, DKFZp434K0220 antibody, osm 9 like TRP channel 1 antibody, Osm-9-like TRP channel 1 antibody, OTRPC1 antibody, Transient receptor potential cation channel subfamily V member 1 antibody, TRPV 1 antibody, Trpv1 antibody, TRPV1_HUMAN antibody, Vanilloid receptor 1 antibody, Vanilloid receptor subtype 1 antibody, VR 1 antibody, VR1 antibody

UniProt: [Q8NER1](#)

Pathways: [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.