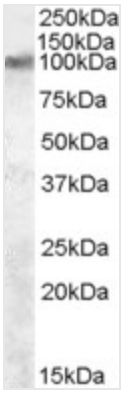
TRPV2 Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	Trpv2, Polyclonal Antibody
Full Product Name	Goat anti-Trpv2 (mouse) Antibody
Product Gene Name	anti-TRPV2 antibody
Product Synonym Names	Trpv2; transient receptor potential cation channel, subfamily V, member 2; RP23-234K24.7; GRC; OTRPC2; VRL-1; Vrl1; vanilloid receptor-like protein 1; Trpv2 antibody; transient receptor potential cation channel; subfamily V; member 2 antibody; RP23-234K24.7 antibody; GRC antibody; OTRPC2 antibody; VRL-1 antibody; Vrl1 antibody; vanilloid receptor-like protein 1 antibody; Trpv2 (mouse)
Immunogen Sequence	SEEDHLPLQV LQSH
Clonality	Polyclonal
Host	Goat
Species Reactivity	Tested: Rat; Expected from sequence similarity: Mouse, Rat
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0. 02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Concentration	100ug specific antibody in 200ul (lot specific)
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.
Antibody/Peptide Pairs	Trpv2 peptide (MBS426338) is used for blocking the activity of Trpv2 antibody (MBS421846)
Molecular Weight	85,965 Da
Immunogen	Peptide with sequence C-SEEDHLPLQVLQSH, from the C Terminus of the protein sequence according to NP_035836.2.
Epitope	C Terminus
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Applications Tested/Suitable for anti-TRPV2 antibody	Peptide ELISA (EIA), Western Blot (WB)
Application Notes for anti-TRPV2 antibody	Peptide ELISA: Antibody detection limit dilution 1: 8000. Western Blot: Approx 100kDa band observed in Rat Brain lysates (calculated MW of 86. 0kDa according to Mouse NP_035836.2 and of 86.7kDa acording to Rat NP_058903.2). Recommended concentration: 1-3ug/ml.
Related Product Information for anti-TRPV2 antibody	MBS421846 is an antibody targeting TRPV2. Also known as Goat anti-Trpv2 (mouse) Antibody. Reactive in Tested: Rat; Expected from sequence similarity: Mouse, Rat. Host: Goat.
Other Notes	Small volumes of anti-TRPV2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TRPV2 antibody
(2ug/ml) staining of Rat Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRPV2. It may not necessarily be applicable to this product.

NCBI GI #	134053865
NCBI GeneID	22368
NCBI Accession #	NP_035836.2
UniProt Secondary Accession #	Q99K71
UniProt Related Accession #	Q9WTR1
GenBank Nucleotide #	NM_011706.2
NCBI Official Full Name	transient receptor potential cation channel subfamily V member 2
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily V, member 2
NCBI Official Symbol	Trpv2
NCBI Official Synonym Symbols	GRC; Vrl1; VRL-1; OTRPC2
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 2
UniProt Synonym Protein Names	Growth factor-regulated calcium channel; GRC; Osm-9-like TRP channel 2; OTRPC2
Protein Family	Transient receptor potential cation channel subfamily
UniProt Gene Name	Trpv2
UniProt Synonym Gene Names	Grc; TrpV2; GRC; OTRPC2
UniProt Entry Name	TRPV2_MOUSE
NCBI Protein Information	transient receptor potential cation channel subfamily V member 2

UniProt Comments for TRPV2	TRPV2: Calcium-permeable, non-selective cation channel with an outward rectification. Seems to be regulated, at least in part, by IGF-I, PDGF and neuropeptide head activator. May transduce physical stimuli in mast cells. Activated by temperatures higher than 52 degrees Celsius; is not activated by vanilloids and acidic pH. Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV2 sub-subfamily. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Channel, cation Cellular Component: axon; cell surface; cytoplasm; endomembrane system; integral to membrane; intracellular; lamellipodium; membrane; plasma membrane Molecular Function: calcium channel activity; cation channel activity; ion channel activity Biological Process: apoptosis; calcium ion transport; ion transport; negative regulation of cell proliferation; positive regulation of axon extension; response to heat; response to temperature stimulus; transmembrane transport; transport
Research Articles on TRPV2	**1.** TRPV2 channels play a predominant role in fluid flow mechanosensitivity over that of TRPC1 and TRP melastatin (TRPM) 7.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-mouse-rat-antibody/trpv2/421846