

Datasheet for ABIN7043838

anti-TRPV1 antibody (3rd Extracellular Loop, Cys616)[Go to Product page](#)**2** Images

Overview

Quantity:	25 µL
Target:	TRPV1
Binding Specificity:	3rd Extracellular Loop, AA 605-619, Cys616
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPV1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)NSLPMESTPHK*SRGS, corresponding to amino acid residues 605-619 of rat TRPV1 with replacement of cysteine 616 (C616) with serine (*S)
Isotype:	IgG
Cross-Reactivity (Details):	Recognizes TRPV1 from rat samples only.
Characteristics:	Anti-Rat TRPV1 (VR1) (extracellular) Antibody (ABIN7043838, ABIN7043986 and ABIN7043987)) is a highly specific antibody directed against an extracellular epitope of the rat TRPV1 channel. The antibody can be used in western blot, immunohistochemistry, and live cell imaging applications. It has been designed to recognize TRPV1 from rat samples only.
Purification:	Affinity purified on immobilized antigen.

Target Details

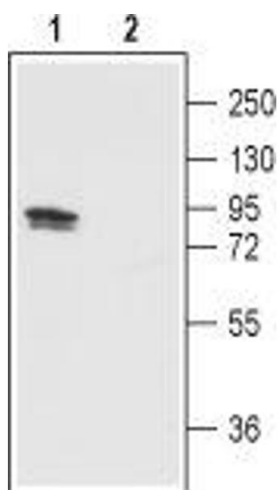
Target:	TRPV1
Alternative Name:	TRPV1 (VR1) (TRPV1 Products)
Background:	Alternative names: TRPV1 (VR1), Transient receptor potential cation channel subfamily V member 1, Capsaicin receptor, Vanilloid receptor 1, OTRPC1
Gene ID:	83810
NCBI Accession:	NM_018727
UniProt:	O35433
Pathways:	Dicarboxylic Acid Transport

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

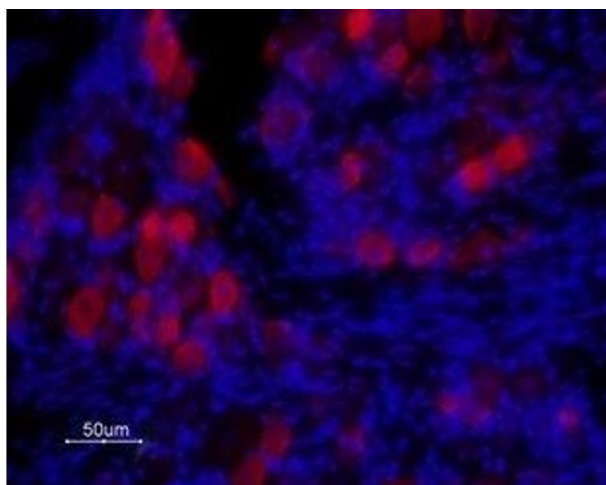
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of TRPV1 in rat DRG: -
1. Anti-Rat TRPV1 (VR1) (extracellular) Antibody (ABIN7043838, ABIN7043986 and ABIN7043987), (1:200). 2. Anti-Rat TRPV1 (VR1) (extracellular) Antibody, preincubated with Rat TRPV1/VR1 (extracellular) Blocking Peptide (#BLP-CC029).



Immunohistochemistry

Image 2. Expression of TRPV1 in rat DRG -
Immunohistochemical staining of rat dorsal root ganglion (DRG) frozen sections using Anti-Rat TRPV1 (VR1) (extracellular) Antibody (ABIN7043838, ABIN7043986 and ABIN7043987), (1:100) followed by goat anti-rabbit-ATTO Fluor-594 secondary antibody (red). TRPV1 is expressed in medium and small DRG neurons. Hoechst 33342 is used as the counterstain (blue).