



Datasheet for ABIN2783755
anti-TRPV5 antibody (N-Term)



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4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	TRPV5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPV5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TRPV5
Sequence:	MLQQKRILES PLLRASKEND LSVLRQLLLD CTCDVRQRGA LGETALHIAA
Predicted Reactivity:	Cow: 85%, Dog: 85%, Guinea Pig: 85%, Horse: 77%, Human: 100%, Mouse: 85%, Pig: 92%, Rabbit: 77%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against TRPV5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TRPV5
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Target Details

Alternative Name: TRPV5 ([TRPV5 Products](#))

Background: TRPV5 is a member of the transient receptor family and the TrpV subfamily. TRPV5, a calcium-selective channel, has 6 transmembrane-spanning domains, multiple potential phosphorylation sites, an N-linked glycosylation site, and 5 ANK repeats. TRPV5 forms homotetramers or heterotetramers and is activated by a low internal calcium level. This gene is a member of the transient receptor family and the TrpV subfamily. The calcium-selective channel encoded by this gene has 6 transmembrane-spanning domains, multiple potential phosphorylation sites, an N-linked glycosylation site, and 5 ANK repeats. This protein forms homotetramers or heterotetramers and is activated by a low internal calcium level. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-2486 AF304464.1 86-2571
Alias Symbols: CAT2, ECAC1, OTRPC3
Protein Interaction Partner: EWSR1, CALB1, S100A10, ANXA2,
Protein Size: 729

Molecular Weight: 82 kDa

Gene ID: 56302

NCBI Accession: [NM_019841](#), [NP_062815](#)

UniProt: [Q9NQA5](#)

Application Details

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

Comment: Antigen size: 729 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

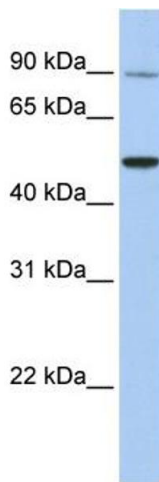
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Clayton, Daley, MacDonald, Fernandez-Vizarra, Bottegoni, ONeil, Major, Griffin, Zhuang, Adewoye, Woolcock, Jones, Goodyear, Elmesmari, Filer, Tennant, Alivernini, Buckley, Pitceathly et al.: "Inflammation causes remodeling of mitochondrial cytochrome c oxidase mediated by the bifunctional gene C15orf48. ..." in: **Science advances**, Vol. 7, Issue 50, pp. eab15182, (2021) ([PubMed](#)).

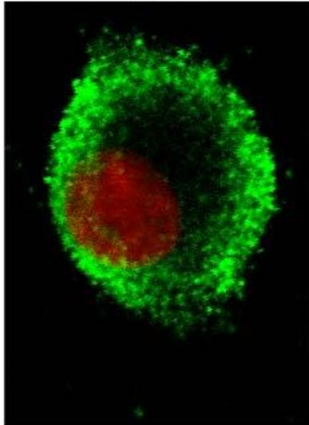
Images



Western Blotting

Image 1. WB Suggested Anti-TRPV5 Antibody Titration: 0.2-1 ug/ml Positive Control: 721_B cell lysate TRPV5 is supported by BioGPS gene expression data to be expressed in 721_B

TRPV5



See Immunohistochemistry 1 Data for more information.

Immunohistochemistry

Image 2. Sample Type: hRetinal pigment epithelial cells

Green: primary

Red: nuclear

Primary Dilution: 1:200

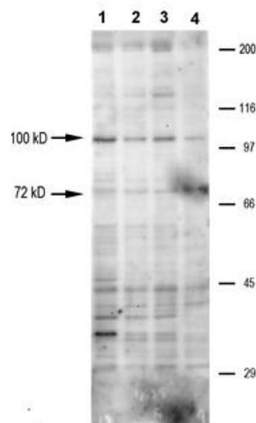
Secondary Antibody: goat anti-rabbit-Alexa 488

Secondary Dilution: 1:500

Image Submitted by: Brian Kennedy

Indiana University Northwest .

TRPV5



See Immunoblot 2 Data for more information.

Western Blotting

Image 3. Sample Type: 1-4. hRetinal pigment epithelial cells, 4 individual donors (20ug)

Primary Dilution: 1:1000

Secondary Antibody: goat anti-rabbit-AP

Secondary Dilution: 1:2000

Image Submitted by: Brian Kennedy

Indiana University Northwest .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2783755.