

Rabbit TRPC1 Polyclonal Antibody | anti-TRPC1 antibody

TRPC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328750	Rabbit	Human, Mouse, RatPredicted: Pig, Zebrafish, Horse, Sheep, Rabbit, Dog, Chicken	Western Blot

PRODUCT SYNONYMS

TRPC1; Polyclonal Antibody; TRPC1 Antibody; HTRP 1; HTRP1; MGC133334; MGC133335; Mtrp1; Short transient receptor potential channel 1; Transient receptor potential canonical 1; Transient receptor potential cation channel subfamily C member 1; Transient receptor potential channel 1; Transient receptor protein 1; TRP 1; TRP 1 protein; Trp related protein 1; TRP-1; TRP1; TRP1 protein; TrpC1; Trpc1 transient receptor potential cation channel subfamily C member 1; TRPC1_HUMAN; Trrp1; anti-TRPC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Horse, Sheep, Rabbit, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	TRPC1 Antibody detects endogenous levels of TRPC1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	759
Applicable Applications for anti-TRPC1 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human TRPC1.
Tissue Specificity	Seems to be ubiquitous.
Fragment	Fab Fragment
Conjugate	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from PC-3 cells, using TRPC1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from 3T3, using TRPC1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPC1 antibody	Description: Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Seems to be also activated by intracellular calcium store depletion. Post Translational Modifications: Activation of PRKCA induces phosphorylation of TRPC1 and subsequent Ca2+ entry into cells. Subunit Structure: Interacts with TRPC4AP (By similarity). Homotetramer and heterotetramer with TRPC4 and/or TRPC5. Interacts with TRPC3, TRPC4 and TRPC5. Interacts with ITPR3. Interacts with MX1 and RNF24. Interacts with FKBP4. Similarity: Belongs to the transient receptor (TC 1.A.4) family. STpC subfamily. TRPC1 sub-subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507685
NCBI GeneID	7220
NCBI Accession #	NP_003295.1
NCBI GenBank Nucleotide #	NP_003295.1
UniProt Accession #	P48995
Molecular Weight	Observed: 91 kDa Predicted: 92 kDa
NCBI Official Full Name	short transient receptor potential channel 1 isoform 2
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily C member 1
NCBI Official Symbol	TRPC1
NCBI Official Synonym Symbols	TRP1; HTRP-1
NCBI Protein Information	short transient receptor potential channel 1
UniProt Protein Name	Short transient receptor potential channel 1
UniProt Gene Name	TRPC1
UniProt Synonym Gene Names	TRP1; TrpC1; TRP-1
UniProt Entry Name	TRPC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.