TRPC4AP Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	TRPC4AP, Polyclonal Antibody
Full Product Name	Goat anti-TRPC4AP Antibody
Product Gene Name	anti-TRPC4AP antibody
Product Synonym Names	TRPC4AP; transient receptor potential cation channel, subfamily C, member 4 associated protein; C20orf188; TRRP4AP; TRUSS; TRP4-associated protein; TRPC4-associated protein; short transient receptor potential channel 4 associated protein; tumor necrosis; TRPC4AP antibody; transient receptor potential cation channel; subfamily C; member 4 associated protein antibody; C20orf188; TRRP4AP; TRUSS antibody; TRP4-associated protein antibody; TRPC4-associated protein antibody; short transient receptor potential channel 4 associated protein antibody; tumor necrosis factor receptor-associated ubiquitous scaffolding and signaling protein antibody
Immunogen Sequence	KLTQETTYPN TYIFD
Clonality	Polyclonal
Host	Goat
Species Reactivity	Tested: Human; Expected from sequence similarity: Human
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	TRPC4AP peptide (MBS426966) is used for blocking the activity of TRPC4AP antibody (MBS421770)
Molecular Weight	90,043 Da
OMIM	608430
Immunogen	Peptide with sequence C-KLTQETTYPNTYIFD, from the internal region of the protein sequence according to NP_056453.1; NP_955400.1.
Epitope	Internal region
Note	This antibody is expected to recognize both reported isoforms (NP_955400.1; NP_056453.1).
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Applications Tested/Suitable for anti-TRPC4AP antibody	Peptide ELISA (EIA), Western Blot (WB)
Application Notes for anti-TRPC4AP antibody	Peptide ELISA: Antibody detection limit dilution 1: 4000. Western Blot: Approx 85kDa band observed in lysates of cell line U937 (calculated MW of 90. 0kDa according to human NP_056453.1). Recommended concentration: 1-3ug/ml.
Related Product Information for anti-TRPC4AP antibody	MBS421770 is an antibody targeting TRPC4AP. Also known as Goat anti-TRPC4AP Antibody. Reactive in Tested: Human; Expected from sequence similarity: Human. Host: Goat.
Other Notes	Small volumes of anti-TRPC4AP 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-TRPC4AP antibody
(1ug/ml) staining of U937 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 TRPC4AP. It may not necessarily be applicable to this product.

NCBI GI #	18158416
NCBI GeneID	26133
NCBI Accession #	NP_056453.1
NCBI Related Accession #	NP_955400.1
UniProt Secondary Accession #	Q96H82; Q9BVB8; Q9H429; Q9UFS6; E1P5Q0; E1P5Q1
UniProt Related Accession #	Q8TEL6
GenBank Nucleotide #	NM_015638.2
NCBI Official Full Name	short transient receptor potential channel 4-associated protein isoform a
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily C member 4 associated protein
NCBI Official Symbol	TRPC4AP
NCBI Official Synonym Symbols	TRUSS; TRRP4AP; PPP1R158; C20orf188
UniProt Protein Name	Short transient receptor potential channel 4-associated protein
UniProt Synonym Protein Names	Protein TAP1; TNF-receptor ubiquitous scaffolding/signaling protein; Protein TRUSS
Protein Family	Short transient receptor potential channel 4-associated protein
UniProt Gene Name	TRPC4AP
UniProt Synonym Gene Names	C20orf188; TRRP4AP; Trp4-associated protein; Trpc4-associated protein; Protein TRUSS
UniProt Entry Name	TP4AP_HUMAN
NCBI Protein Information	short transient receptor potential channel 4-associated protein

UniProt Comments for TRPC4AP	TRPC4AP: Substrate-specific adapter of a DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complex required for cell cycle control. The DCX(TRUSS) complex specifically mediates the polyubiquitination and subsequent degradation of MYC. Also participates in the activation of NFKB1 in response to ligation of TNFRSF1A, possibly by linking TNFRSF1A to the IKK signalosome. Involved in JNK activation via its interaction with TRAF2. Also involved in elevation of endoplasmic reticulum Ca(2+) storage reduction in response to CHRM1. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 20q11.22 Cellular Component: plasma membrane Molecular Function: calcium channel activity; phosphatase binding; protein binding Biological Process: protein ubiquitination; ubiquitin-dependent protein catabolic process
Research Articles on TRPC4AP	**1.** The latent classification method of analysis showed that the TRPC4AP H1 haplotype was characteristic of Alzheimer's patients, with ages-of-onset between 66 and 80 years.
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