10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRPC4AP Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18682a

Specification

TRPC4AP Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q8TEL6

TRPC4AP Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 26133

Other Names
Short transient receptor potential channel 4-associated protein, Trp4-associated protein, Trpc4-associated protein, Protein TAP1, TNF-receptor ubiquitous scaffolding/signaling protein, Protein TRUSS, TRPC4AP, C20orf188, TRRP4AP

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TRPC4AP Antibody (N-term) Blocking Peptide - Protein Information

Name TRPC4AP {ECO:0000303|PubMed:20551172, ECO:0000312|HGNC:HGNC:16181}

Function
Substrate-recognition component of a DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complex required for cell cycle control (PubMed:20551172, PubMed:29779948). The DCX(TRPC4AP) complex specifically mediates the polyubiquitination and subsequent degradation of MYC as part of the DesCEND (destruction via C-end degrons) pathway (PubMed:20551172, PubMed:29779948). The DesCEND (destruction via C-end degrons) pathway recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation (PubMed:29779948). The DCX(TRPC4AP) complex specifically recognizes proteins with an arginine at the minus 3 position (R-3 motif) at the C-terminus, such as MYC, leading to their ubiquitination and degradation (PubMed:29779948). Also participates in the activation of NFKB1 in response to ligation of TNFRSF1A, possibly by linking TNFRSF1A to the IKK signalosome (By similarity). Involved in JNK activation via its interaction with

TRAF2 (By similarity). Also involved in elevation of endoplasmic reticulum Ca(2+) storage reduction in response to CHRM1 (By similarity).

Cellular Location
Cytoplasm, perinuclear region

TRPC4AP Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

TRPC4AP Antibody (N-term) Blocking Peptide - Images

TRPC4AP Antibody (N-term) Blocking Peptide - Background

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.

TRPC4AP Antibody (N-term) Blocking Peptide - References

Mace, K.E., et al. J. Cell. Physiol. 225(2):444-453(2010)Choi, S.H., et al. Genes Dev. 24(12):1236-1241(2010)Poduslo, S.E., et al. Neurosci. Lett. 450(3):344-346(2009)Poduslo, S.E., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (1), 50-55 (2009) :Tsang, H.T., et al. Genomics 88(3):333-346(2006)