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Goat Anti-TRPC4AP Antibody

Peptide-affinity purified goat antibody
Catalog # AF2184a

Specification

Goat Anti-TRPC4AP Antibody - Product Information

Application	**WB**
Primary Accession	Q8TEL6
Other Accession	NP_955400, 26133
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**90852**

Goat Anti-TRPC4AP Antibody - 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
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-TRPC4AP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-TRPC4AP Antibody - 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

Goat Anti-TRPC4AP Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-TRPC4AP Antibody - Images

AF2184a (1 µg/ml) staining of U937 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-TRPC4AP Antibody - References

Myc protein is stabilized by suppression of a novel E3 ligase complex in cancer cells. Choi SH, et al. Genes Dev, 2010 Jun 15. PMID 20551172.
The frequency of the TRPC4AP haplotype in Alzheimer's patients. Poduslo SE, et al. Neurosci Lett, 2009 Feb 6. PMID 19059308.
Genome screen of late-onset Alzheimer's extended pedigrees identifies TRPC4AP by haplotype analysis. Poduslo SE, et al. Am J Med Genet B Neuropsychiatr Genet, 2009 Jan 5. PMID 18449908.
Molecular architecture and assembly of the DDB1-CUL4A ubiquitin ligase machinery. Angers S, et al. Nature, 2006 Oct 5. PMID 16964240.
TRUSS, a tumor necrosis factor receptor-1-interacting protein, activates c-Jun NH(2)-terminal kinase and transcription factor AP-1. Soond SM, et al. FEBS Lett, 2006 Aug 21. PMID 16876162.