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

TRPC4AP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18682a

Specification

TRPC4AP Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q8TEL6
Other Accession	NP_056453.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**90852**
Antigen Region	**49-75**

TRPC4AP Antibody (N-term) - 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

Target/Specificity
This TRPC4AP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-75 amino acids from the N-terminal region of human TRPC4AP.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
TRPC4AP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRPC4AP Antibody (N-term) - 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).

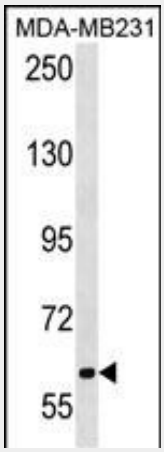
Cellular Location
Cytoplasm, perinuclear region

TRPC4AP Antibody (N-term) - 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

TRPC4AP Antibody (N-term) - Images



TRPC4AP Antibody (N-term) (Cat. #AP18682a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the TRPC4AP antibody detected the TRPC4AP protein (arrow).

TRPC4AP Antibody (N-term) - 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) - References

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Choi, S.H., et al. Genes Dev. 24(12):1236-1241(2010)
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