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STAC2 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19869a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6ZMT1
Other Accession	Q8R1B0, NP_945344.1
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41611
Calculated MW	45009
Antigen Region	1-30

Additional Information

Gene ID	342667
Other Names	SH3 and cysteine-rich domain-containing protein 2, 24b2/STAC2, Src homology 3 and cysteine-rich domain-containing protein 2, STAC2
Target/Specificity	This STAC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human STAC2.
Dilution	WB~~1:1000 IHC-P~~1:100 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	STAC2 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	STAC2
Function	Plays a redundant role in promoting the expression of calcium channel CACNA1S at the cell membrane, and thereby contributes to increased channel

activity. Slows down the inactivation rate of the calcium channel CACNA1C. Negative regulator of osteoclastogenesis. Following TNFSF11/RANKL stimulation, interacts with TNFRSF11A/RANK and interferes with the formation of the TNFRSF11A signaling complex, leading to the suppression of TNFSF11-initiated NF-kappa-B and MAPK signaling pathways. Impairs TNFSF11-induced, BTK/TEC-catalyzed PLCG2 phosphorylation and activation (By similarity).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8R1B0}. Cell membrane {ECO:0000250|UniProtKB:Q8R1B0}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8R1B0}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8R1B0}. Cell membrane, sarcolemma {ECO:0000250|UniProtKB:Q8R1B0}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8R1B0}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8R1B0}. Membrane raft {ECO:0000250|UniProtKB:Q8R1B0}. Note=Colocalizes with CACNA1C at the plasma membrane of transfected cells. Following TNFSF11/RANKL stimulation, recruited to lipid rafts along with TNFRSF11A/RANK (By similarity). {ECO:0000250|UniProtKB:Q8R1B0}

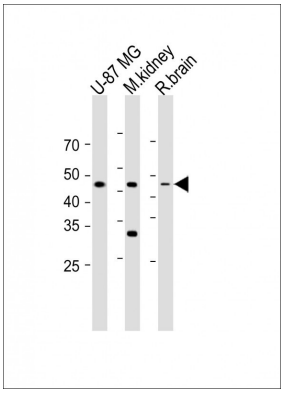
Background

The function of this protein is unknown.

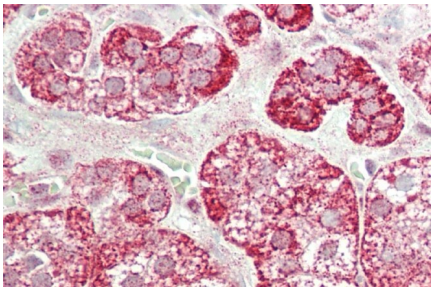
References

Lim, J., et al. Cell 125(4):801-814(2006)

Images

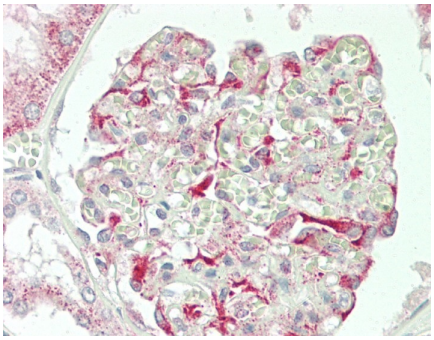


All lanes : Anti-STAC2 Antibody(N-term) at 1:1000 dilution Lane 1:U-87 MG whole cell lysate Lane 2: Mouse kidney lysate Lane 3: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 45kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded H.adrenal tissue tissue reacted with STAC2 Antibody(N-term) (Cat#AP19869a).

Formalin-fixed and paraffin-embedded H.kidney tissue reacted with STAC2 Antibody(N-term) (Cat#AP19869a).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.