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Anti-STAC2 Antibody

Catalog # AP51540

Product Information

Application	WB
Primary Accession	Q6ZMT1
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45009

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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human STAC2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

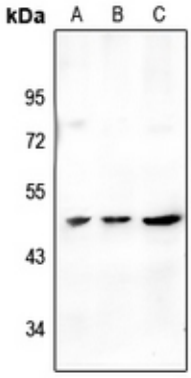
Name	STAC2
Function	Plays a redundant role in promoting the expression of calcium channel CACNA1S at the cell membrane, and thereby contributes to increased channel activity. Slows down the inactivation rate of the calcium channel CACNA1C. Negative regulator of osteoclastogenesis. Following TNFSF11/RANKL 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}

References

Rossner M.,et al.Submitted (NOV-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Western blot analysis of STAC2 expression in HEK293T (A), rat brain (B), mouse brain (C) whole cell lysates.
(Predicted band size: 45 kD; Observed band size: 50 kD)

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