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Anti-Tensin 1 (Phospho-Y1326) Antibody

Catalog # AP51576

Product Information

Application	WB, IF/IC
Primary Accession	Q9HBL0
Reactivity	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	197023

Additional Information

Gene ID	7145
Other Names	TNS; Tensin-1
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y1326 of human Tensin 1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
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

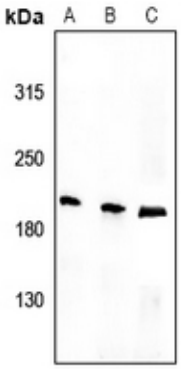
Name	TNS1
Synonyms	TNS
Function	May act as a protein phosphatase and/or a lipid phosphatase (Probable). Involved in fibrillar adhesion formation (PubMed:21768292, PubMed:28005397). Essential for myofibroblast differentiation and myofibroblast-mediated extracellular matrix deposition (PubMed:28005397). Enhances RHOA activation in the presence of DLC1 (PubMed:26427649). Plays a role in cell polarization and migration (PubMed:19826001). May be involved in cartilage development and in linking signal transduction pathways to the cytoskeleton (PubMed:21768292).
Cellular Location	Cell surface. Cell junction, focal adhesion. Cytoplasm, cytoskeleton. Note=Localizes to both focal adhesions and fibrillar adhesions (PubMed:20069572). Localized at the cell periphery preferentially to fibrillar adhesions rather than to focal adhesions. Translocates from the cell edge to

	the cell center in an ITGB1BP1-dependent manner (PubMed:21768292)
Tissue Location	In the lung, detected in the alveolar septa (at protein level) (PubMed:28005397). Ubiquitous (PubMed:11023826)

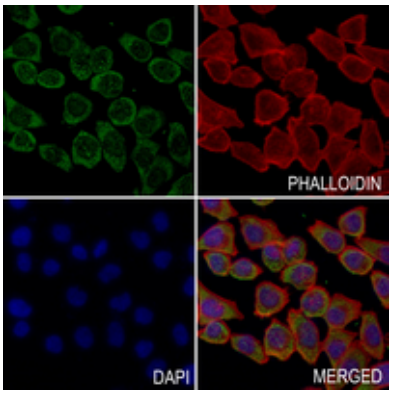
References

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Images



Western blot analysis of Tensin 1 (Phospho-Y1326) expression in MEF (A), PC12 (B), LOVO (C) whole cell lysates. (Predicted band size: 185 kD; Observed band size: 200 kD)



Immunofluorescent analysis of Tensin 1 (Phospho-Y1326) staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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