

Tensin 1 (pY1326) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51576

Product Information

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

Additional Information

Gene ID	7145
Other Names	Tensin-1, TNS1, TNS
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Tensin 1. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
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)

Background

Involved in fibrillar adhesion formation. May be involved in cell migration, cartilage development and in linking signal transduction pathways to the cytoskeleton.

References

Chen H.,et al.Biochem. J. 351:403-411(2000).
Hillier L.W.,et al.Nature 434:724-731(2005).
Bienvenut W.V.,et al.Submitted (OCT-2009) to UniProtKB.
Qian X.,et al.Proc. Natl. Acad. Sci. U.S.A. 104:9012-9017(2007).
Cantin G.T.,et al.J. Proteome Res. 7:1346-1351(2008).

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