

Goat Anti-Tensin 1 Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4179a**Specification**

Goat Anti-Tensin 1 Antibody (internal region) - Product Information

Application	IHC, E
Primary Accession	Q9HBL0
Other Accession	21961(mouse) , 301509(rat) , NP_072174.3
Reactivity	Human
Predicted	Human, Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	197023

Goat Anti-Tensin 1 Antibody (internal region) - Additional Information**Gene ID** 7145**Other Names**

TNS1; tensin 1; DKFZp586K0617; MGC88584; MST091; MST122; MST127; MSTP122; MSTP127; MXRA6; TNS; Matrix-remodelling-associated protein 6; OTTHUMP00000207627; OTTHUMP00000207628; matrix-remodelling associated 6; tensin-1

Dilution

IHC~~1:100~500

E~~N/A

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-QYENQSPEATSPR, from the internal region of the protein sequence according to NP_072174.3.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Tensin 1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Tensin 1 Antibody (internal region) - 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

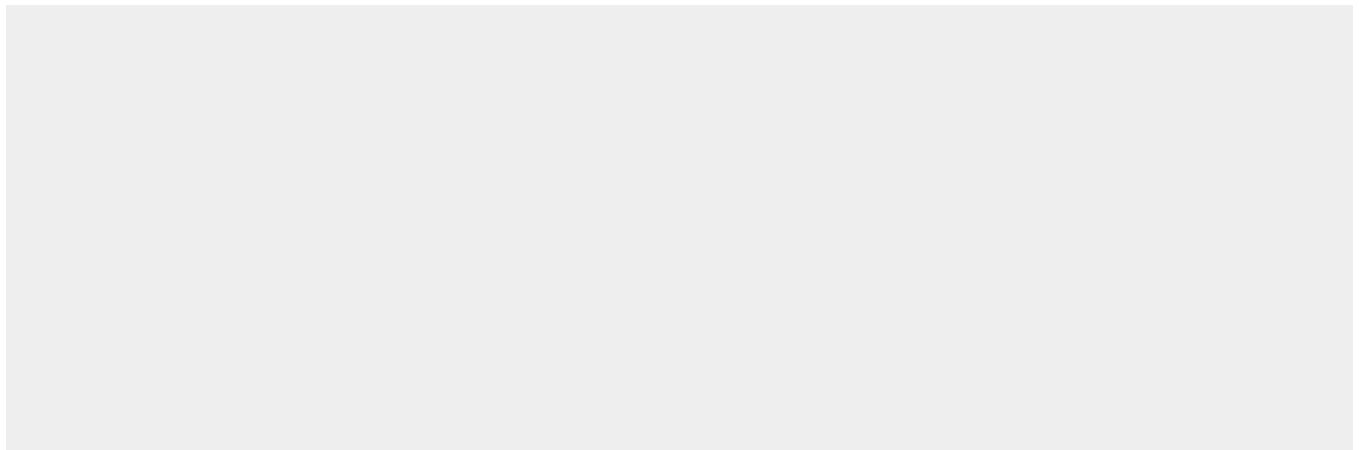
In the lung, detected in the alveolar septa (at protein level) (PubMed:28005397). Ubiquitous (PubMed:11023826)

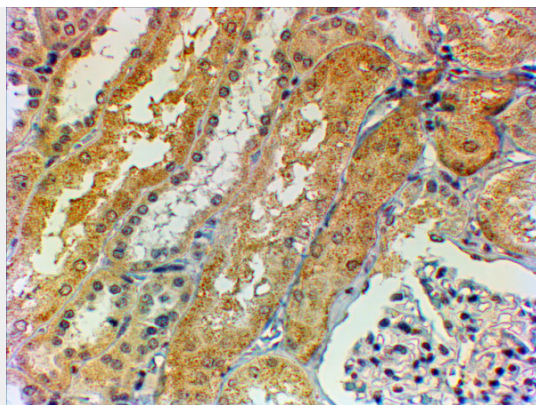
Goat Anti-Tensin 1 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Tensin 1 Antibody (internal region) - Images





AF4179a (2 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

Goat Anti-Tensin 1 Antibody (internal region) - References

Molecular characterization of human tensin. Chen H, Ishii A, Wong WK, Chen LB, Lo SH. Biochem J. 2000 Oct 15;351 Pt 2:403-11.