



Tensin3 Polyclonal Antibody

Catalog No	YP-Ab-03198
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	TNS3
Immunogen	The antiserum was produced against synthesized peptide derived from human TENS3. AA range:541-590
Specificity	Tensin3 Polyclonal Antibody detects endogenous levels of Tensin3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TEM 6;TEM6;TENS 1;TENS 3;TENS1;TENS3;TENS3_HUMAN;Tensin-3;tensin-like SH2 domain containing 1;Tensin-like SH2 domain containing protein 1;Tensin-like SH2 domain- containing protein 1;thyroid specific PTB domain protein;TNS 3;TNS3;TPP;Tumor endothelial marker 6;Tensin3
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell junction, focal adhesion .
Tissue Specificity	Expressed in umbilical vein endothelial cells, epithelial cells, and fibroblasts cells (at protein level). Highly expressed in thyroid, kidney and placenta. Low expression in heart, skeletal muscle, spleen, liver, and lung. Expressed in tumor endothelial cells. Expression seems to be down-regulated in thyroid tumor tissues and in anaplastic carcinomas.
Function	function:May play a role in actin remodeling. Involved in the dissociation of the integrin-tensin-actin complex. EGF activates TNS4 and down-regulates TNS3 which results in capping the tail of ITGB1. Seems to be involved in mammary cell migration. May be involved in cell migration and bone development.,



induction:EGF induces down-regulation.,PTM:Epidermal growth factor(EGF) induces tyrosine phosphorylation in a time- and dose-dependent manner., similarity:Contains 1 C2 tensin-type domain.,similarity:Contains 1 phosphatase tensin-type domain.,similarity:Contains 1 SH2 domain.,subunit:EGF promotes the interaction with EGFR. Interacts with PTK2 and BCAR1. Tyrosine phosphorylation is critical for these interactions.,tissue specificity:Expressed in umbilical vein endothelial cells, epithelial cells, and fibroblasts cells (at protein level). Highly expressed in thyroid, kidney and placenta. Low

Background

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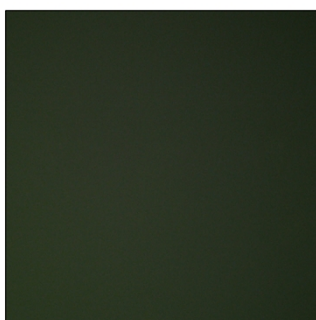
matters needing attention

Avoid repeated freezing and thawing!

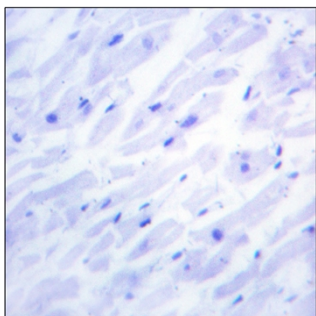
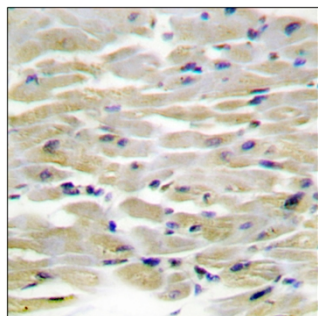
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunofluorescence analysis of COS7 cells, using TENS3 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using TENS3 Antibody. The picture on the right is blocked with the synthesized peptide.