



Tensin-2 Polyclonal Antibody

Catalog No	YP-Ab-03236
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	TENC1
Immunogen	The antiserum was produced against synthesized peptide derived from human Tensin-2. AA range:439-488
Specificity	Tensin-2 Polyclonal Antibody detects endogenous levels of Tensin-2 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	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C1 domain containing phosphatase and tensin homolog;C1 domain-containing phosphatase and tensin homolog;C1 TEN;C1-TEN;C1TEN;DKFZp686D13244; FLJ1632;KIAA175;TENC 1;TENC1;TENC1_HUMAN;Tensin 2;Tensin like C1 domain containing phosphatase;Tensin-2;Tensin-like C1 domain-containing phosphatase;TNS2;KIAA1075
Observed Band	125kD
Calculated Molecular Weight	125kD
Cell Pathway	Cell junction, focal adhesion . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Detected at the end of actin stress fibers. Detected in cytoplasmic punctate bodies (PubMed:22019427). .
Tissue Specificity	Detected in heart, kidney, brain, thymus, spleen, liver, placenta, lung, skeletal muscle and small intestine.
Function	function:Regulates cell motility and proliferation. May have phosphatase activity. Reduces AKT1 phosphorylation. Lowers AKT1 kinase activity and interferes with AKT1 signaling.,similarity:Contains 1 C2 tensin-type domain.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 phosphatase tensin-type domain.,similarity:Contains 1 SH2 domain.,subcellular location:Detected at



the end of actin stress fibers.,subunit:Interacts with AXL.,tissue specificity:Detected in heart, kidney, brain, thymus, spleen, liver, placenta, lung, skeletal muscle and small intestine.,

Background

The protein encoded by this gene belongs to the tensin family. Tensin is a focal adhesion molecule that binds to actin filaments and participates in signaling pathways. This protein plays a role in regulating cell migration. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq, Jul 2008],

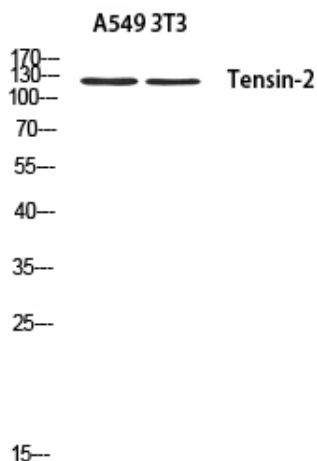
matters needing attention

Avoid repeated freezing and thawing!

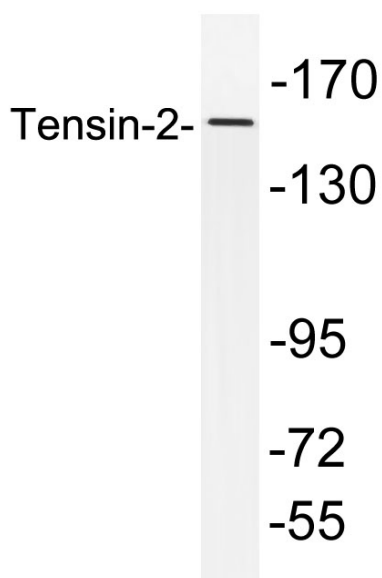
Usage suggestions

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

Products Images



Western blot analysis of A549 3T3 using Tensin-2 antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from HepG2 cells, using Tensin-2 antibody.