



# Tensin-2 Polyclonal Antibody

<b>Catalog No</b>	BYab-03236
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	TENC1
<b>Protein Name</b>	Tensin-like C1 domain-containing phosphatase
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Tensin-2. AA range:439-488
<b>Specificity</b>	Tensin-2 Polyclonal Antibody detects endogenous levels of Tensin-2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TENC1; KIAA1075; TNS2; Tensin-like C1 domain-containing phosphatase; C1 domain-containing phosphatase and tensin homolog; C1-TEN; Tensin-2
<b>Observed Band</b>	125kD
<b>Cell Pathway</b>	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) .
<b>Tissue Specificity</b>	Detected in heart, kidney, brain, thymus, spleen, liver, placenta, lung, skeletal muscle and small intestine.
<b>Function</b>	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.,

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**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],

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**matters needing attention**

Avoid repeated freezing and thawing!

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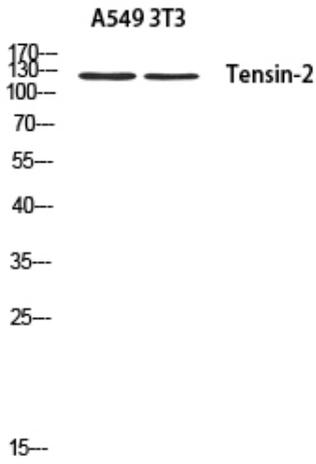
**Usage suggestions**

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

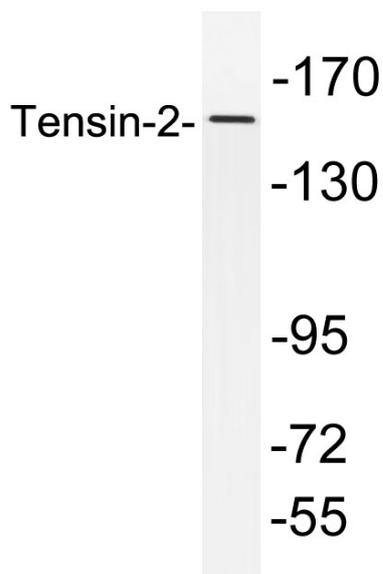
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## Products Images



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.

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