



# HEPS Polyclonal Antibody

<b>Catalog No</b>	BYab-07105
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	HPN TMPRSS1
<b>Protein Name</b>	Serine protease hepsin (EC 3.4.21.106) (Transmembrane protease serine 1) [Cleaved into: Serine protease hepsin non-catalytic chain; Serine protease hepsin catalytic chain]
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 350-430
<b>Specificity</b>	HEPS Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 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>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	45kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type II membrane protein . Apical cell membrane ; Single-pass type II membrane protein .
<b>Tissue Specificity</b>	Detected in liver and kidney.
<b>Function</b>	catalytic activity:Cleavage after basic amino-acid residues, with Arg strongly preferred to Lys.;function:Plays an essential role in cell growth and maintenance of cell morphology.;similarity:Belongs to the peptidase S1 family.;similarity:Contains 1 peptidase S1 domain.;similarity:Contains 1 SRCR domain.;tissue specificity:Present in most tissues, with the highest level in liver.;
<b>Background</b>	This gene encodes a type II transmembrane serine protease that may be involved in diverse cellular functions, including blood coagulation and the maintenance of cell morphology. Expression of the encoded protein is associated with the growth and progression of cancers, particularly prostate cancer. The protein is cleaved into a catalytic serine protease chain and a non-catalytic

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scavenger receptor cysteine-rich chain, which associate via a single disulfide bond. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013],

**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**

