SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Hepsin/TMPRSS1 antibody

Catalog Number: SL6281R

FOR RESEARCH USE ONLY

[DATASHEET]

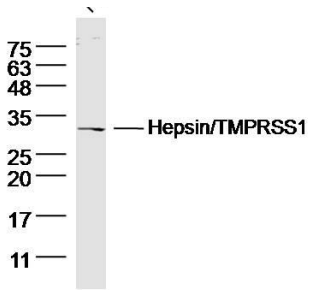
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Hepsin/TMPRSS1
Immunogen:	KLH conjugated synthetic peptide derived from human Hepsin: 311-417/417 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Pig,Cow,Rabbit,Sheep)
Predicted MW.:	28kDa
Subcellular Location:	The cell membrane
Background:	This gene encodes a type II transmembrane serine protease. The encoded protein has an extracellular region that consists of two domains, a catalytic serine protease domain and a non-catalytic scavenger receptor cysteine-rich domain. This protein may be involved in diverse cellular functions including blood coagulation, maintenance of cell morphology and the growth and progression of certain cancers, particularly prostate cancer. Alternative splicing results in multiple transcript variants. **Function:** Plays an essential role in cell growth and maintenance of cell morphology. May mediate the activating cleavage of HGF and MST1/HGFL. **Subcellular Location:** Membrane; Single-pass type II membrane protein. **Tissue Specificity:** Present in most tissues, with the highest level in liver.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

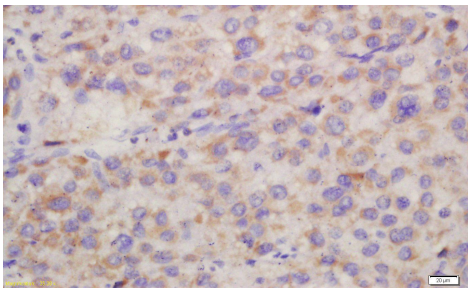
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	Similarity: Belongs to the peptidase S1 family. Contains 1 peptidase S1 domain. Contains 1 SRCR domain. **Database links:** **Entrez Gene:** 3249 Human Omim: 142440 Human **SwissProt:** P05981 Human **Unigene:** 182385 Human

[VALIDATION IMAGES]



Sample: HepG2 (human)Cell Lysate at 40 ug
Primary: Anti- Hepsin/TMPRSS1 (SL6281R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 28kD
Observed band size: 28 kD



Tissue/cell: human liver carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Hepsin Polyclonal Antibody, Unconjugated(SL6281R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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