

For Research Use Only

# Mouse Hepsin Polyclonal antibody, PBS Only

Catalog Number: 51060-1-PBS



## Basic Information

<b>Catalog Number:</b> 51060-1-PBS	<b>GenBank Accession Number:</b> BC138809	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 15451	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O35453	
<b>Isotype:</b> IgG	<b>Full Name:</b> hepsin	
	<b>Calculated MW:</b> 47 kDa	
	<b>Observed MW:</b> 28 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

Hepsin is a type II transmembrane serine protease. It is primarily expressed in the liver but has also been detected in other tissues, including the prostate, kidney, and pancreas. Hepsin plays a crucial role in various physiological processes, such as cell growth, extracellular matrix remodeling, and tissue homeostasis. Notably, Hepsin has been implicated in cancer progression, particularly in prostate cancer, where its overexpression is associated with tumor metastasis and poor prognosis (PMID: 15324701, PMID: 18726901). Hepsin has been identified as a peptide of approximately 45 kDa representing the intact protein, and a fragment of about 28 kDa representing the cleaved extracellular domain (PMID: 19302215, PMID: 21734266).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
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## Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 51060-1-Ig (Hepsin antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 51060-1-PBS in a different storage buffer formulation.