

For Research Use Only

# Cathepsin B Recombinant antibody, PBS Only

Catalog Number:83998-2-PBS



## Basic Information

<b>Catalog Number:</b> 83998-2-PBS	<b>GenBank Accession Number:</b> NM_001908.5	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 1508	<b>CloneNo.:</b> 240780E6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P07858	
<b>Isotype:</b> IgG	<b>Full Name:</b> cathepsin B	
	<b>Calculated MW:</b> 38kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA

**Species Specificity:**  
human

## Background Information

CTSB(Cathepsin B) is also named as CPSB and belongs to the peptidase C1 family. It participates in intracellular degradation and turnover of proteins. Cathepsin B precursors found in human malignant ascites fluid do not possess mannose-rich carbohydrates suggesting that a defect in the post translational processing of carbohydrate moieties on tumor. Cathepsin B exists as both glycosylated and unglycosylated forms(PMID:1637335). In rat macrophages and hepatocytes pro- cathepsin B is 39 kDa (unglycosylated=35 kDa), whereas in human fibroblasts procathepsin B is 44.5-46kDa (unglycosylated=39kDa)(PMID:2097084). It can be detected the 43 kDa form of pro-CTSB, 31 kDa and 25 kDa mature forms in mouse brain by western blot(PMID:20616152).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

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## Selected Validation Data