For Research Use Only

Cathepsin B Recombinant antibody

Catalog Number:83998-2-RR

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Basic Information

Catalog Number:
83998-2-RR

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001908.5

GeneID (NCBI):
1508

UNIPROT ID:
P07858

Full Name:
cathepsin B

Calculated MW:
38kDa

Observed MW:
33 kDa

Purification Method:
Protein A purfication

CloneNo.:
240780E6

Applications

Tested Applications:
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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