

For Research Use Only

Cathepsin B Polyclonal antibody

Catalog Number: 32809-1-AP



Basic Information

Catalog Number:

32809-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3028

GenBank Accession Number:

NM_007798.3

GeneID (NCBI):

13030

UNIPROT ID:

P10605

Full Name:

cathepsin B

Calculated MW:

37 kDa

Observed MW:

31 kDa, 39 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : J774A.1 cells, RAW 264.7 cells, mouse brain tissue, mouse liver tissue

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 44.5-46 kDa (unglycosylated = 39 kDa) (PMID:2097084). It can be detected the 39 kDa form of pro-CTSB, 31 kDa mature forms in mouse brain by western blot.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

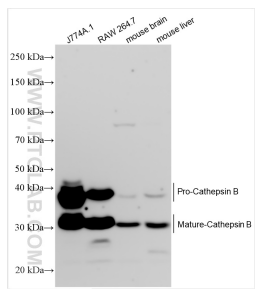
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32809-1-AP (Cathepsin B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.