

For Research Use Only

Cathepsin E Polyclonal antibody

Catalog Number: 25146-1-AP



Basic Information

Catalog Number: 25146-1-AP	GenBank Accession Number: BC042537	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 1510	Recommended Dilutions: WB: 1:500-1:2000
Source: Rabbit	UNIPROT ID: P14091	
Isotype: IgG	Full Name: cathepsin E	
Immunogen Catalog Number: AG18484	Calculated MW: 396 aa, 43 kDa	
	Observed MW: 43-48 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Calu-3 cells, mouse stomach tissue, rat stomach tissue
Species Specificity: human, mouse, rat	

Background Information

Cathepsin E (CTSE) is an aspartic protease and a member of the peptidase A1 family of proteases, along with pepsin A and cathepsin D (CTSD) (PMID: 31582345). Cathepsin E is essential for degradation of these lysosomal membrane proteins, and that its deficiency is implicated in the development of a new form of lysosomal storage disorder associated with the elevation of lysosomal pH (PMID: 17095504). It associates with lysosomal and endosomal pathways participating actively in immune response regulation. Cathepsin E specifically induces growth arrest and apoptosis in human prostate cancer cell lines (PMID: 20482316).

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

*** 20ul sizes contain 0.1% BSA

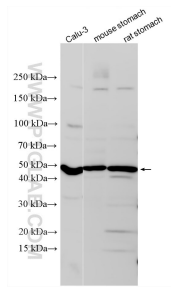
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25146-1-AP (Cathepsin E antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.