Cathepsin D

Catalog: OM638933

☐ 100 μl

Product profile

Product name	Cathepsin D
Antibody Type	Primary Antibodies
Product description	The cathepsin family of proteolytic enzymes contains several diverse classes of proteases. The cysteine protease class comprises cathepsins B, L, H, K, S, and O. The aspartyl protease class is composed of cathepsins D and E. Cathepsin G is in the serine protease class. Most cathepsins are lysosomal and each is involved in cellular metabolism, participating in various events such as peptide biosynthesis and protein degradation. Cathepsins may also cleave some protein precursors, thereby releasing regulatory peptides. The promoter region of the cathepsin D gene contains five Sp1 binding sites and four AP-2 binding sites.
Immunogen	Recombinant protein

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,IHC ,FC
Species Reactivity	Human Mouse Rat
Concentration	1 mg/mL.

Target Information

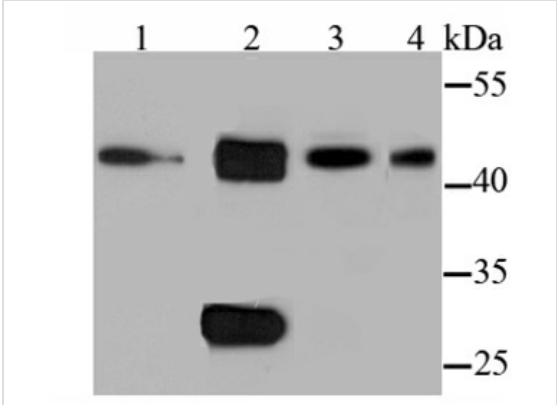|	
Alternative Names	CatD antibody CATD_HUMAN antibody Cathepsin D antibody Cathepsin D heavy chain antibody CD antibody Ceroid lipofuscinosis neuronal 10 antibody CLN10 antibody CPSD antibody ctsd antibody Epididymis secretory sperm binding protein Li 130P antibody HEL S 130P antibody Lysosomal aspartyl peptidase antibody Lysosomal aspartyl protease antibody MGC2311 antibody
Molecular Weight(MW)	45/27 kDa
Cellular Localization	Lysosome. Melanosome. Secreted, extracellular space.

Database Links

Application

Application

Fig1: Western blot analysis of Cathepsin D on different cell lysates using anti-Cathepsin D antibody at 1/1,000 dilution. Positive control: Lane 1: PC-12 Lane 2: MCF-7 Lane 3: NIH-3T3 Lane 4: Jurkat
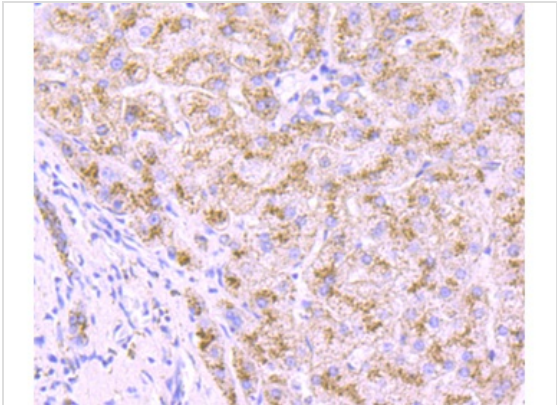
Application

Fig2: Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Cathepsin D antibody. Counter stained with hematoxylin.
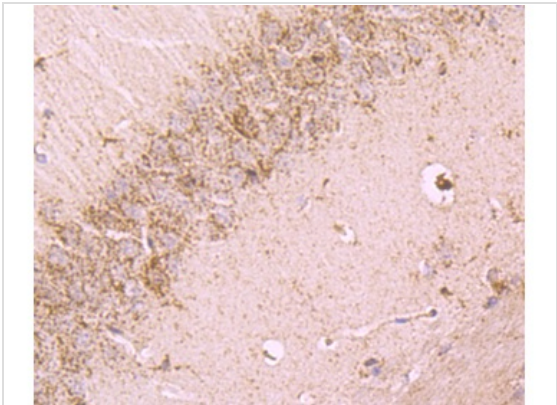
Application

Fig3: Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Cathepsin D antibody. Counter stained with hematoxylin.
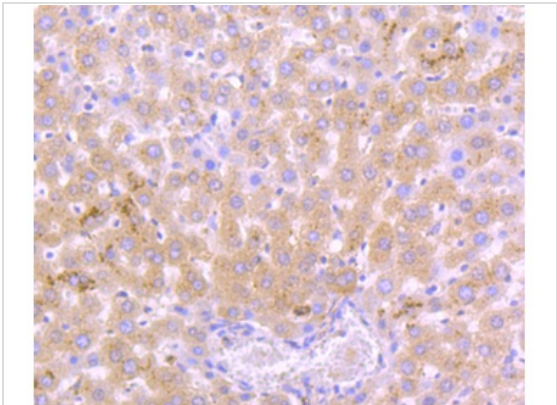
Application

Fig4: Immunohistochemical analysis of paraffin-embedded rat liver tissue using anti-Cathepsin D antibody. Counter stained with hematoxylin.
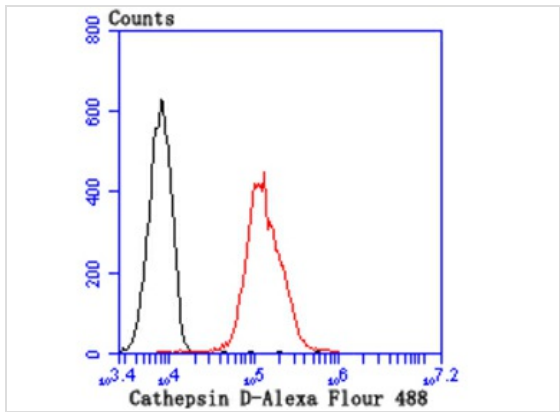
Application

Fig5: Flow cytometric analysis of A549 cells with Cathepsin D antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Positive Control	PC-12, MCF-7, NIH-3T3, Jurkat, rat liver tissue, human liver tissue, mouse brain tissue.
Application Notes	**WB**:1:500-1:2,000
	IHC:1:50-1:200
	FC:1:50-1:100

Additional Information

Form	Liquid
Storage Instructions	Store at +4℃after thawing. Aliquot store at -20℃or -80℃. Avoid repeated freeze / thaw cycles.
Storage Buffer	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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