

Basic Information

Product Name	Anti-Cathepsin D/CTSD Antibody (Clone#CTD-19)	
Gene Name	CTSD	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG2a	
Species Reactivity	human	
Tested Application	WB, IHC	
Contents	200ug/ml antibody with PBS , 0.02% NaN ₃ , 1mg BSA and 50% glycerol.	
Immunogen	Human liver cathepsin D.	
Concentration	200ug/ml	
Purification	Ascites	
Observed MW	45 kDa/33 kDa/28 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

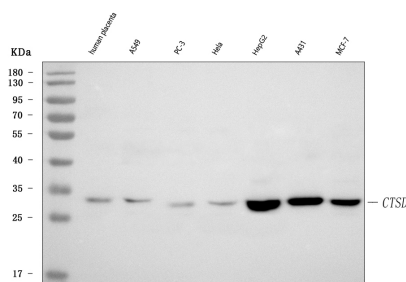
Background Information

Cathepsin D is one of the lysosomal proteinases. It is ubiquitously expressed and is involved in proteolytic degradation, cell invasion, and apoptosis. Cathepsin D is mapped to chromosome 11. The amino acid sequence predicted from the cDNA sequence shows that human cathepsin D consists of 412 amino acids with 20 and 44 amino acids in a pre- and a prosegment, respectively.

Reference

Anti-Cathepsin D/CTSD Antibody (Clone#CTD-19)被引用在3文献中。

Selected Validation Data



Western blot analysis of anti- CTSD antibody (BM1577). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: human placenta tissue lysates,

Lane 2: A549 whole cell lysates,

Lane 3: PC-3 whole cell lysates,

Lane 4: HeLa whole cell lysates,

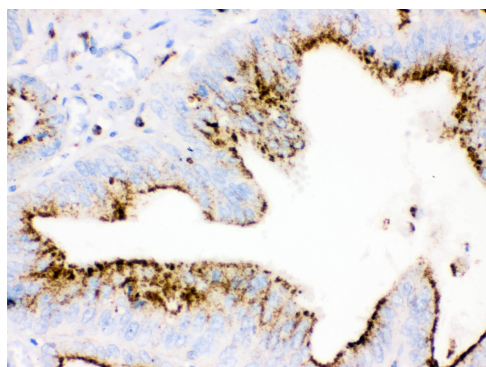
Lane 5: HepG2 whole cell lysates,

Lane 6: rat RH35 whole cell lysates,

Lane 7: A431 whole cell lysates,

Lane 8: MCF-7 whole cell lysates.

Use mouse anti- CTSD 1:1000, probed with a goat anti-mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for CTSD at approximately 28KD. The expected band size for CTSD is at 45KD.



IHC analysis using anti- CTSD antibody (BM1577). detected in paraffin-embedded section of Human Intestinal Cancer tissue.

Biotinylated goat anti-mouse IgG was used as secondary antibody.

The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen.