



Rabbit Anti-Cathepsin H light chain antibody

SL10677R

Product Name:	Cathepsin H light chain
Chinese Name:	组织蛋白酶H轻链抗体
Alias:	CTSH; Cathepsin H; ACC4; ACC5; Cathepsin H light chain; CPSB; cath-H; CH; Ctsh; CATH_HUMAN; Pro-cathepsin H.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Pig,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	5kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cathepsin H light chain:293-335/335
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 various cellular events such as peptide biosynthesis and protein degradation. The propeptide region of

cathepsin H is highly homologous to other cathepsins. This region is thought to play a role in the processing of cysteine proteases. Cathepsin H is thought to be involved in several pathological conditions, including neuro degenerative disorders and cancer.

Function:

Important for the overall degradation of proteins in lysosomes.

Subunit:

Composed of a mini chain and a large chain. The large chain may be split into heavy and light chain. All chains are held together by disulfide bonds.

Subcellular Location:

Lysosome.

Similarity:

Belongs to the peptidase C1 family.

SWISS:

P09668

Gene ID:

1512

Database links:

[Entrez Gene: 1512](#)Human

[Entrez Gene: 25425](#)Rat

[Omim: 116820](#)Human

[SwissProt: P09668](#)Human

[SwissProt: P00786](#)Rat

[Unigene: 148641](#)Human

[Unigene: 1997](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.