



# Cathepsin H Polyclonal Antibody

<b>Catalog No</b>	BYab-02282
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	CTSH
<b>Protein Name</b>	Pro-cathepsin H
<b>Immunogen</b>	Synthesized peptide derived from Cathepsin H . at AA range: 220-300
<b>Specificity</b>	Cathepsin H Polyclonal Antibody detects endogenous levels of Cathepsin H protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. ELISA: 1/10000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CTSH; CPSB; Pro-cathepsin H
<b>Observed Band</b>	40kD
<b>Cell Pathway</b>	Lysosome.
<b>Tissue Specificity</b>	Cartilage, Eye, Kidney, Liver, Lung, Salivary gland,
<b>Function</b>	catalytic activity:Hydrolysis of proteins, acting as an aminopeptidase (notably, cleaving Arg- -Xaa bonds) as well as an endopeptidase.,function:Important for the overall degradation of proteins in lysosomes.,similarity:Belongs to the peptidase C1 family.,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.,
<b>Background</b>	The protein encoded by this gene is a lysosomal cysteine proteinase important in the overall degradation of lysosomal proteins. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. The encoded protein, which belongs to the peptidase C1 protein family, can act both as an aminopeptidase and as an endopeptidase. Increased

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expression of this gene has been correlated with malignant progression of prostate tumors. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**