

Rabbit anti-Human Cathepsin H Polyclonal Antibody | anti-CTSH antibody

Cathepsin H Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327501	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

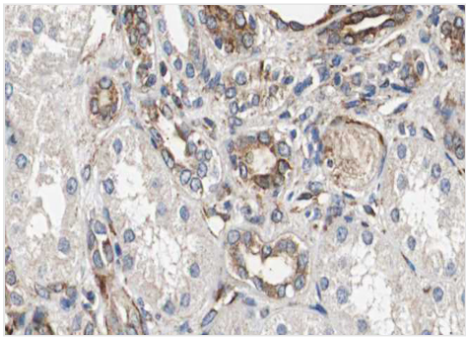
PRODUCT SYNONYMS

Cathepsin H; Polyclonal Antibody; Cathepsin H Antibody; ACC 4; ACC 5; ACC4; ACC5; aleurain; CATH_HUMAN; cathepsin B3; cathepsin BA; Cathepsin H heavy chain; Cathepsin H light chain; Cathepsin H mini chain; CPSB; CTSH; minichain; N benzoylarginine beta naphthylamide hydrolase; N-benzoylarginine-beta-naphthylamide hydrolase; pro cathepsin H; anti-CTSH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Cathepsin H antibody detects endogenous levels of total Cathepsin H
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	335
Applicable Applications for anti-CTSH antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cathepsin H
Subcellular Location	Lysosome.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (88%), Bovine (100%), Horse (88%), Sheep (100%), Rabbit (100%), Dog (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

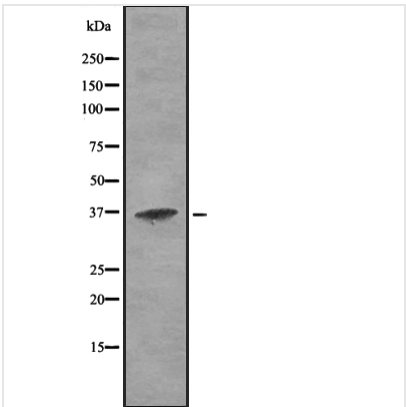
IMAGES



IHC (Immunohistochemisry)
AAA327501 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA327501 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of Cathepsin H using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CTSH antibody	Function: Important for the overall degradation of proteins in lysosomes.
	Subunit Structure: 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.
	Similarity: Belongs to the peptidase C1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23110955
NCBI GeneID	1512
NCBI Accession #	NP_004381.2
NCBI GenBank Nucleotide #	NM_004390.4
UniProt Accession #	P09668; Q96NY6; Q9BUM7; B2RBK0
Molecular Weight	Observed: 37 kDa Predicted: 38 kDa
NCBI Official Full Name	pro-cathepsin H isoform a preproprotein
NCBI Official Synonym Full Names	cathepsin H
NCBI Official Symbol	CTSH

NCBI Official Synonym Symbols	ACC4; ACC5; CPSB; ACC-4; ACC-5
NCBI Protein Information	pro-cathepsin H
UniProt Protein Name	Pro-cathepsin H
UniProt Gene Name	CTSH
UniProt Synonym Gene Names	CPSB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cathepsin-h-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327501>