

Rabbit anti-Human CTSD Polyclonal Antibody | anti-CTSD antibody

CTSD Antibody

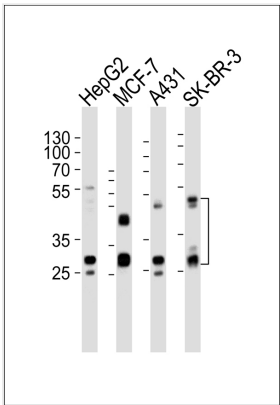
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290312	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

CTSD; Polyclonal Antibody; CTSD Antibody; Cathepsin D; Cathepsin D light chain; Cathepsin D heavy chain; CPSD; anti-CTSD antibody

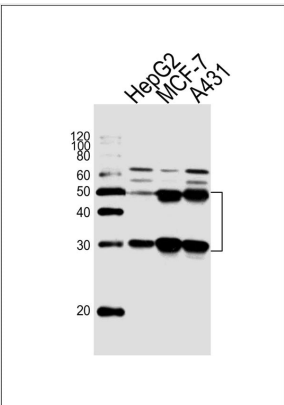
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Length	412
Applicable Applications for anti-CTSD antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



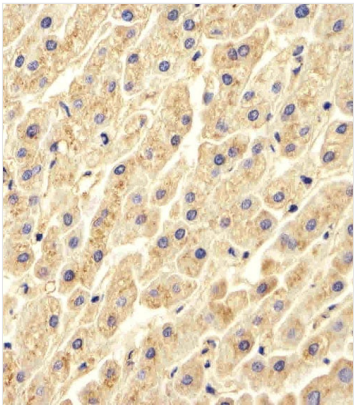
WB (Western Blot)

Western blot analysis of lysates from HepG2, MCF-7, A431, SK-BR-3 cell line (from left to right), using CTSD Antibody. AAA290312 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



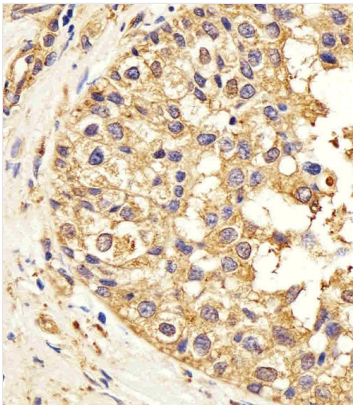
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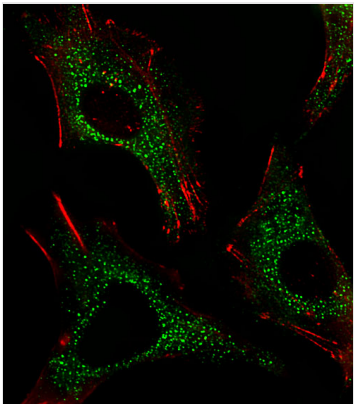
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H.liver section using CTSD. AAA290312 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H.breast carcinoma section using CTSD. AAA290312 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



IF (Immunofluorescence)

Fluorescent image of HepG2 cells stained with CTSD. AAA290312 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-CTSD antibody

Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.

Product Categories/Family for anti-CTSD antibody	Crown Antibodies ; Cancer ; Cell Biology ; Signal Transduction
References	Faust P.L.,et al.Proc. Natl. Acad. Sci. U.S.A. 82:4910-4914(1985). Westley B.R.,et al.Nucleic Acids Res. 15:3773-3786(1987). Redecker B.,et al.DNA Cell Biol. 10:423-431(1991). Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases. Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503143
NCBI GeneID	1509
NCBI Accession #	NP_001900.1
NCBI GenBank Nucleotide #	NM_001909.4
UniProt Accession #	P07339 ; Q6IB57
Molecular Weight	44552
NCBI Official Full Name	cathepsin D preproprotein
NCBI Official Synonym Full Names	cathepsin D
NCBI Official Symbol	CTSD
NCBI Official Synonym Symbols	CPSD; CLN10; HEL-S-130P
NCBI Protein Information	cathepsin D
UniProt Protein Name	Cathepsin D
UniProt Gene Name	CTSD
UniProt Synonym Gene Names	CPSD
UniProt Entry Name	CATD_HUMAN

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/ctsd-antibody-immunohistochemistry-western-blot-immunofluorescence-elisa/290312>