

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

CTSD Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281002	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

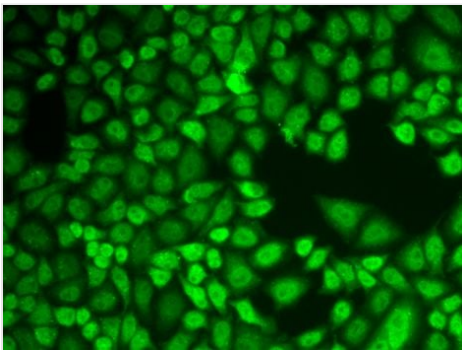
PRODUCT SYNONYMS

CTSD; Polyclonal Antibody; CTSD Polyclonal Antibody; CLN10; CPSD; HEL-S-130P; anti-CTSD antibody

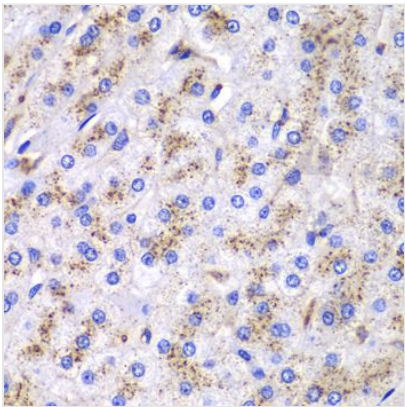
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.
Sequence	GPIPEVLKNY MDAQYYGEIG IGTPPQCFTV VFDTGSSNLW VPSIHCKLLD IACWIHHKYN SDKSSTYVKN GTSFDIHYGS GSLSGYLSQD TVSVPCQSAS SASALGGVKV ERQVFGEATK QPGITFIAAK FDGILGMAYP RISVNNVLPV FDNLMQQKLV DQNIJSFYLS RDPDAQPGGE LMLGGTDSKY YKGSLSYLVN TRKAYWQVHL DQVEVASGLT LCKEGCEAIV DTGTSLMVGP VDEVRELQKA IGAVP
Sequence Length	412
Applicable Applications for anti-CTSD antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CTSD
Immunogen Species	Human
Cellular Location	Lysosome, Melanosome, Secreted, extracellular space
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

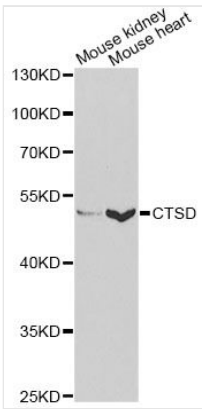
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using CTSD antibody.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver cancer using CTSD antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CTSD antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CTSD antibody	This gene encodes a member of the A1 family of peptidases. The encoded preproprotein is proteolytically processed to generate multiple protein products. These products include the cathepsin D light and heavy chains, which heterodimerize to form the mature enzyme. This enzyme exhibits pepsin-like activity and plays a role in protein turnover and in the proteolytic activation of hormones and growth factors. Mutations in this gene play a causal role in neuronal ceroid lipofuscinosis-10 and may be involved in the pathogenesis of several other diseases, including breast cancer and possibly Alzheimer's disease.
Product Categories/Family for anti-CTSD antibody	Polyclonal Antibodies

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	Calculated: 44kDa Observed: 45kDa

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

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://www.aaabiotech.com/polyclonal/ctsd-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281002>