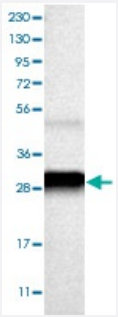
CTSD polyclonal antibody

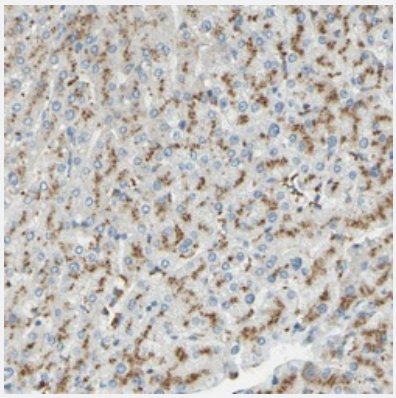
Catalog # PAB28627 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: Human cell line RT-4 with CTSD polyclonal antibody (Cat # PAB28627).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human liver with CTSD polyclonal antibody (Cat # PAB28627) shows strong cytoplasmic positivity with granular pattern in hepatocytes.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant CTSD.
Immunogen	Recombinant protein corresponding to amino acids of human CTSD.
Sequence	LWVPSIHCKLLDIACWIHHKYNSDKSSTYVKNGTSFDIHYGSGSLSGYLSQDTVSVPCQSASSASA LGGVKVERQVFGEATKQPGITFIAAKFDGILGMAYPRISVNNVLPVFDNLMQQKLVDQNIFSFYLSR DPDAQPGGELMLGGT
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:500-1:1000) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western blot analysis of Lane 1: Human cell line RT-4 with CTSD polyclonal antibody (Cat # PAB28627).

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Gene Info — CTSD

Entrez GeneID	1509
Protein Accession#	C9JH19
Gene Name	CTSD
Gene Alias	CLN10, CPSD, MGC2311
Gene Description	cathepsin D
Omim ID	116840 610127
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a lysosomal aspartyl protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. This proteinase, which is a memb er of the peptidase C1 family, has a specificity similar to but narrower than that of pepsin A. Trans cription of this gene is initiated from several sites, including one which is a start site for an estroge n-regulated transcript. Mutations in this gene are involved in the pathogenesis of several diseases , including breast cancer and possibly Alzheimer disease. [provided by RefSeq
Other Designations	lysosomal aspartyl peptidase|lysosomal aspartyl protease

Pathway

- Lysosome

Disease

- Alzheimer disease
- Breast Neoplasms
- Cardiovascular Diseases
- Chronic Disease
- Cognition
- Cognition Disorders
- Creutzfeldt-Jakob Syndrome
- Dementia
- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Memory
- Mental Processes
- Metabolic Syndrome X

- Neoplasms
- Neuropsychological Tests
- Osteoporosis
- Ovarian Neoplasms
- Parkinson disease
- Periodontitis