

CTSD / Cathepsin D Antibody
Rabbit Polyclonal Antibody
Catalog # ALS12768**Specification**

CTSD / Cathepsin D Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | IHC |
| Primary Accession | P07339 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 45kDa KDa |

CTSD / Cathepsin D Antibody - Additional Information**Gene ID** 1509**Other Names**

Cathepsin D, 3.4.23.5, Cathepsin D light chain, Cathepsin D heavy chain, CTSD, CPSD

Reconstitution & Storage

Store at 2°C to 8°C degrees. Do not freeze.

Precautions

CTSD / Cathepsin D Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CTSD / Cathepsin D Antibody - Protein Information**Name** CTSD**Synonyms** CPSD**Function**

Acid protease active in intracellular protein breakdown. Plays a role in APP processing following cleavage and activation by ADAM30 which leads to APP degradation (PubMed:27333034). Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.

Cellular Location

Lysosome. Melanosome. Secreted, extracellular space. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. In aortic samples, detected as an extracellular protein loosely bound to the matrix (PubMed:20551380)

Tissue Location

Expressed in the aorta extracellular space (at protein level) (PubMed:20551380). Expressed in liver (at protein level) (PubMed:1426530).

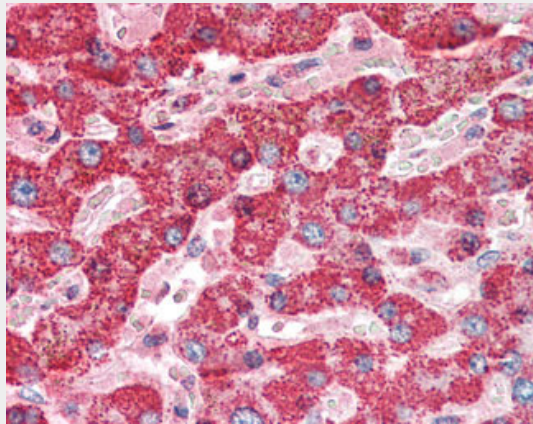
Volume
250 μ l

CTSD / Cathepsin D Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CTSD / Cathepsin D Antibody - Images



Anti-Cathepsin D antibody IHC of human liver.

CTSD / Cathepsin D Antibody - Background

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CTSD / Cathepsin D Antibody - 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.
Kalnina N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.