

CTSD / Cathepsin D Antibody Rabbit Polyclonal Antibody Catalog # ALS12768

Specification

CTSD / Cathepsin D Antibody - Product Information

IHC P07339
Human
Rabbit
Polyclonal
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).



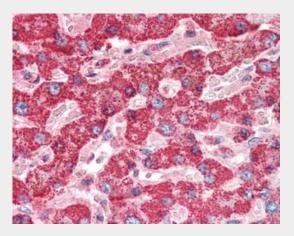
Volume 250 μl

CTSD / Cathepsin D Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

CTSD / Cathepsin D Antibody - Images



Anti-Cathepsin D antibody IHC of human liver.

CTSD / Cathepsin D Antibody - Background

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

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. Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.