

Cathepsin D Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51130**Specification**

Cathepsin D Antibody - Product Information

Application	WB, IP, IHC-P, E
Primary Accession	P07339
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46, 30 KDa

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

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

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cathepsin D. The exact sequence is proprietary.

Dilution

WB~~1:1000

IP~~N/A

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

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).

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](#)

Cathepsin D Antibody - Images**Cathepsin D Antibody - Background**

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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).
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Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
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