

# Cathepsin D Polyclonal Antibody

Catalog # AP63111

## Product Information

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Application	WB
Primary Accession	<a href="#">P07339</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44552

## Additional Information

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Gene ID	1509
Other Names	CTSD; CPSD; Cathepsin D
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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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: <a href="#">27333034</a> ). 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).

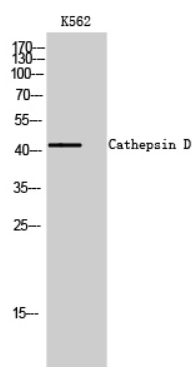
## Background

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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.

## Images

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Western Blot analysis of K562 cells using Cathepsin D Polyclonal Antibody

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