

# Cathepsin D Polyclonal Antibody

Catalog # AP68863

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">P07339</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	44552

## Additional Information

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<b>Gene ID</b>	1509
<b>Other Names</b>	CTSD; CPSD; Cathepsin D
<b>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	CTSD
<b>Synonyms</b>	CPSD
<b>Function</b>	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.
<b>Cellular Location</b>	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)
<b>Tissue Location</b>	Expressed in the aorta extracellular space (at protein level) (PubMed:20551380). Expressed in liver (at protein level) (PubMed:1426530).

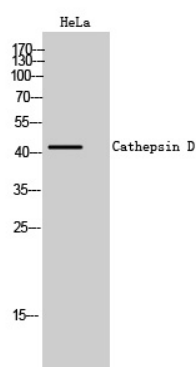
## Background

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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 HeLa cells using Cathepsin D Polyclonal Antibody

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