

Cathepsin D Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01242
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Cathepsin D. AA range:296-345
Mol wt	44552
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Cathepsin D Antibody
Synonyms	CTSD; CPSD; Cathepsin D

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CTSD encodes a member of the A1 family of peptidases. The encoded preproprotein (cathepsin D) is proteolytically processed to generate multiple protein products. These products include the cathepsin D light and heavy chains, which heterodimerize to form the mature enzyme. This enzyme exhibits pepsin-like activity and plays a role in protein turnover and in the proteolytic activation of hormones and growth factors. Mutations in this gene play a causal role in neuronal ceroid lipofuscinosis-10 and may be involved in the pathogenesis of several other diseases, including breast cancer and possibly Alzheimer's disease.

Recommended Dilution

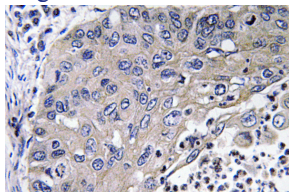
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

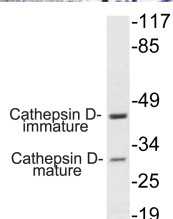
ELISA: 1: 40000

Not yet tested in other applications.

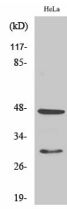
Images



Immunohistochemistry analysis of Cathepsin D antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from HepG2 cells, using Cathepsin D antibody.



Western Blot analysis of various cells using Cathepsin D Polyclonal Antibody

Storage

-20°C for one year

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