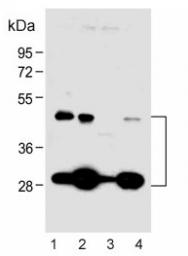
Cathepsin D Antibody / CTSD (F54746)

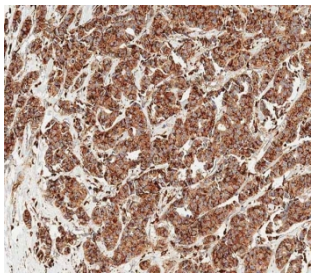
Catalog No.	Formulation	Size
F54746-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54746-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

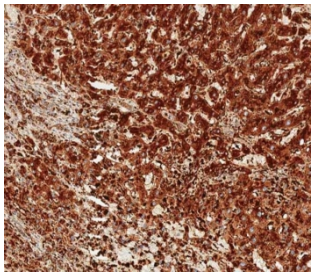
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P07339
Localization	Cytoplasmic
Applications	Western blot: 1:500-1:2000 Immunofluorescence: 1:25 Immunohistochemistry (FFPE): 1:25
Limitations	This Cathepsin D antibody is available for research use only.



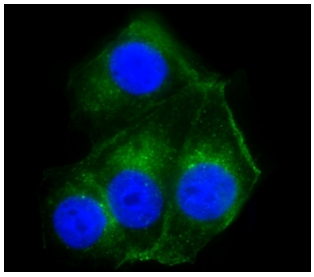
Western blot testing of human 1) A431, 2) MCF7, 3) K562 and 4) PANC-1 cell lysate with Cathepsin D antibody. Expected molecular weight: 43-46 kDa, 28 kDa (heavy chain), 15 kDa (light chain).



IHC testing of FFPE human breast carcinoma tissue with Cathepsin D antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



IHC testing of FFPE human liver tissue with Cathepsin D antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human MCF7 cells with Cathepsin D antibody (green) and DAPI nuclear stain (blue).

Description

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

This antibody can be compared with our Cathepsin D Antibody / CTSD Antibody (clone CTSD/3276) as a central reference for consistent CTSD detection across multiple assay formats.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Cathepsin D antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-412 from the human protein was used as the immunogen for the Cathepsin D antibody.

Storage

Aliquot the Cathepsin D antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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