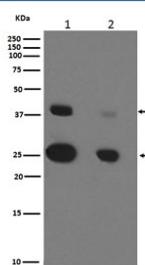


## CTSD Antibody / Cathepsin D [clone CEF-3] (RQ5176)

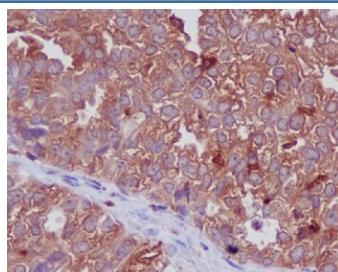
Catalog No.	Formulation	Size
RQ5176	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

[Bulk quote request](#)

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	CEF-3
Purity	Affinity purified
UniProt	P07339
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:50-1:200
Limitations	This CTSD antibody is available for research use only.



Western blot testing of human 1) MCF7 and 2) SK-BR-3 cell lysate with CTSD antibody. Expected molecular weight: 43-46 kDa and 28 kDa (heavy chain).



IHC staining of FFPE human ovarian cancer with CTSD antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

## Description

Cathepsin D / CTSD is an acid protease active in intracellular protein breakdown. Plays a role in APP processing following cleavage and activation by ADAM30 which leads to APP degradation. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.

## Application Notes

Optimal dilution of the CTSD antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human Cathepsin D / CTSD was used as the immunogen for the CTSD antibody.

## Storage

Store the CTSD antibody at -20oC.