

Datasheet for ABIN2774366

anti-Cathepsin L antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Cathepsin L (CTSL1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cathepsin L antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	GGLDSEESYP YEATEESCKY NPKYSVANDT GFVDIPKQEK ALMKAVATVG
Predicted Reactivity:	Human: 100%, Mouse: 77%, Rat: 77%, Sheep: 77%
Characteristics:	This is a rabbit polyclonal antibody against CTSL1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Cathepsin L (CTSL1)
Alternative Name:	CTSL1 (CTSL1 Products)
Background:	The protein encoded by this gene is a lysosomal cysteine proteinase that plays a major role in intracellular protein catabolism. Its substrates include collagen and elastin, as well as alpha-1

Target Details

protease inhibitor, a major controlling element of neutrophil elastase activity. The encoded protein has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. This protein, which is a member of the peptidase C1 family, is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. At least two transcript variants encoding the same protein have been found for this gene.

Alias Symbols: CATL, CTSL, FLJ31037, MEP, CTSL1

Protein Interaction Partner: SGTA, SERPINB3, BTN3A3, RELB, PPP1CC, APOA1, ALB, UBC, EED, BAG6, GEM, ARSA, SERPINB13, CST3, CST7, CTSC, CSTB, KNG1, PLAU, TG, CD7, CSTA, RXRA, CXCL8, IGFBP3, CD74, GCG, COL18A1, CUX1, CTSL, SLPI,

Protein Size: 333

Molecular Weight:	36 kDa
Gene ID:	1514
NCBI Accession:	NM_145918 , NP_666023
UniProt:	P07711
Pathways:	Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 333 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

90 kDa__

65 kDa__

40 kDa__

29 kDa__

22 kDa__



Rabbit Anti-CTSL1 Antibody

Catalog Number: ARP63239

Lot Number: QC34259

Lane: HT1080 Cell Lysate

Antibody Titration: 1.0µg/ml

Gel Concentration: 12%

Western Blotting

Image 1.