

## Cleaved-Cathepsin L1 HC (T288) rabbit pAb

Cat No.: ES1029

For research use only

## Overview

Product Name Cleaved-Cathepsin L1 HC (T288) rabbit pAb

Host species Rabbit
Applications WB;ELISA

**Species Cross-Reactivity** Human;Rat;Mouse;

Recommended dilutions Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not

yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human CATL1. AA

range:239-288

**Specificity** Cleaved-Cathepsin L1 HC (T288) Polyclonal Antibody

detects endogenous levels of fragment of activated Cathepsin L1 HC protein resulting from cleavage

adjacent to T288.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

**Storage** Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Cathepsin L1

Gene Name CTSL1

**Cellular localization** Lysosome . Apical cell membrane ; Peripheral

membrane protein ; Extracellular side . Cytoplasmic

vesicle, secretory vesicle, chromaffin granule.

Secreted, extracellular space . Secreted . Localizes to the apical membrane of thyroid epithelial cells. Rele

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 30kD
Human Gene ID 1514
Human Swiss-Prot Number P07711

Alternative Names CTSL1; CTSL; Cathepsin L1; Major excreted protein;

MEP

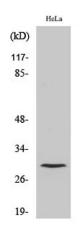


+86-27-59760950 ELKbio@ELKbiotech.com

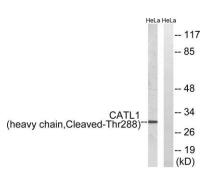


**Background** 

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 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. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2012],



Western Blot analysis of various cells using Cleaved-Cathepsin L1 HC (T288) Polyclonal Antibody



+86-27-59760950

Western blot analysis of lysates from HeLa cells, treated with etoposide 25uM 1h, using CATL1 (heavy chain,Cleaved-Thr288) Antibody. The lane on the right is blocked with the synthesized peptide.



ELKbio@ELKbiotech.com

www.elkbiotech.com