

DNAxPAb

Hard-to-Find
Antibody

CTSL1 DNAxPab

Catalog # H00001514-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CTSL1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MNPTLILAAFCLGIASATLTFDHSLEAQWTKWKAMHNRLYGMNEEGWRRRAVWEKNMKMIELHNQ EYREGKHSFTMAMNAFGDMTSEEFQRQVMNGFQNRKPRKGKVFQEPLFYEAPRSVDWREKGYV TPVKNQGGQCGSCWAFSATGALEGQMFRKTGRLISLSEQNLVDCSGPQGNEGCNGGLMDYAFQY VQDNGGLDSEESYPYEATEESCKYNPKYSVANDTGFVDIPKQEKALMKAVATVGPISVAIDAGHE SFLFYKEGYFEPDCSSEDMDHGVLVVGYGFEFSTESDNNKYWLVKNSWGEEWGMGGYVKMAK DRRNHCGIASAASYPTV
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — CTSL1

Entrez GeneID [1514](#)

GeneBank Accession# [NM_001912.2](#)

Protein Accession# [NP_001903.1](#)

Gene Name CTSL1

Gene Alias CATL, CTSL, FLJ31037, MEP

Gene Description cathepsin L1

Omim ID [116880](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. At least two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000021601|OTTHUMP00000021602|OTTHUMP00000063566|cathepsin L|major excreted protein

Pathway

- [Antigen processing and presentation](#)
- [Lysosome](#)