

CTSL1 rabbit monoclonal antibody

Catalog # H00001514-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CTSL1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CTSL1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CTSL1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CTSL1

Entrez GeneID	1514
GeneBank Accession#	CTSL1
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](#)