

CTSS rabbit monoclonal antibody

Catalog # H00001520-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CTSS peptide using ARM Technology.
Immunogen	A synthetic peptide of human CTSS 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 CTSS 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 — CTSS

Entrez GeneID [1520](#)

GeneBank Accession# [CTSS](#)

Gene Name CTSS

Gene Alias MGC3886

Gene Description cathepsin S

Omim ID [116845](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. Transcript variants utilizing alternative polyadenylation signals exist for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000032942

Pathway

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

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)

- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Obesity](#)