CTSO Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CTSO, Polyclonal Antibody
Full Product Name	CTSO (N-Term) Rabbit pAb
Product Gene Name	anti-CTSO antibody
Product Synonym Names	Cathepsin O; CTSO; CTSO1
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB19259
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
OMIM	600550
3D Structure	ModBase 3D Structure for P43234
Immunogen	This CTSO antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-98 amino acids from the N-terminal region of human CTSO.
Cellular Localization	Lysosome
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CTSO antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CTSO antibody	WB: 1:1000 IHC: 1:10-50
Related Product Information for anti-CTSO antibody	MBS8551816 is an antibody targeting CTSO. Also known as CTSO (N-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CTSO antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CTSO. It may not necessarily be applicable to this product.

NCBI GI #	4557501
NCBI GeneID	1519
NCBI Accession #	NP_001325
UniProt Primary Accession #	P43234
UniProt Related Accession #	P43234

GenBank Nucleotide #	NP_001325.1
NCBI Official Full Name	cathepsin O preproprotein
NCBI Official Synonym Full Names	cathepsin O
NCBI Official Symbol	CTSO
NCBI Official Synonym Symbols	CTSO1
UniProt Protein Name	Cathepsin O
Protein Family	Cathepsin
UniProt Gene Name	CTSO
UniProt Synonym Gene Names	CTSO1
UniProt Entry Name	CATO_HUMAN
NCBI Protein Information	cathepsin O
NCBI Summary for CTSO	The protein encoded by the gene is a cysteine proteinase and a member of the papain superfamily. This proteolytic enzyme is involved in cellular protein degradation and turnover. The recombinant form of this enzyme was shown to degrade synthetic peptides typically used as substrates for cysteine proteinases and its proteolytic activity was abolished by an inhibitor of cyteine proteinase. [provided by RefSeq, Jul 2008]
Research Articles on CTSO	**1.** We report that CTSO reduces the protein levels of BRCA1 and ZNF423 through cysteine proteinase-mediated degradation. We also have identified a series of transcription factors of BRCA1 that are regulated by CTSO at the protein level.
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