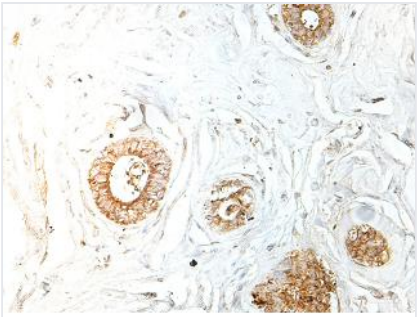
CTSK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CTSK, Polyclonal Antibody
Full Product Name	CTSK Antibody
Product Gene Name	anti-CTSK antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human Predicted: Mouse, Rat
Form/Format	Purified by protein affinity column containing 1% BSA and 0.02% NaN3
Preparation and Storage	Already reconstituted in 200ul sterile H2O. The antibody is stable for at least one year when stored at-20 degree C after reconstitution. Avoid repeated freeze/defrost cycles.
Molecular Weight	36,966 Da
OMIM	265800
3D Structure	ModBase 3D Structure for P43235
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CTSK antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CTSK antibody	ELISA: 1:20,000-1:80,000 IHC: 1:100-1:500
Related Product Information for anti-CTSK antibody	Rabbit polyclonal CTSK (1) antibody was raised against a recombinate human CTSK protein 100-320aa (BC016058).
Product References and Citations for anti-CTSK antibody	(1) Barry, Z.T. and Platt, M.O. Cathepsin S cannibalism of cathepsin K as a mechanism to reduce type I collagen degradation. J. Biol. Chem. 287 (33), 27723-27730 (2012).
Other Notes	Small volumes of anti-CTSK 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.
Searchable Terms for CTSK purchase	MBS8527097 is an antibody targeting CTSK. Also known as CTSK Antibody. Reactive in Human Predicted: Mouse, Rat. Host: Rabbit.



Immunohistochemical staining of formalin-fixed paraffin-embedded breast carcinoma staining with anti-CTSK antibody at a dilution of 1/100

Testing Data of anti-CTSK antibody

ADDITIONAL DETAILS

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

NCBI GI #	4503151
NCBI GeneID	1513
NCBI Accession #	NP_000387.1
UniProt Primary Accession #	P43235
UniProt Secondary Accession #	Q6FHS6
UniProt Related Accession #	P43235
GenBank Nucleotide #	NM_000396.3
NCBI Official Full Name	cathepsin K preproprotein
NCBI Official Synonym Full Names	cathepsin K
NCBI Official Symbol	CTSK
NCBI Official Synonym Symbols	CTSO; PKND; PYCD; CTS02; CTSO1; CTSO2
UniProt Protein Name	Cathepsin K
UniProt Synonym Protein Names	Cathepsin O; Cathepsin O2; Cathepsin X
Protein Family	Cathepsin
UniProt Gene Name	CTSK
UniProt Synonym Gene Names	CTSO; CTSO2
NCBI Protein Information	cathepsin K
NCBI Summary for CTSK	The protein encoded by this gene is a lysosomal cysteine proteinase involved in bone remodeling and resorption. This protein, which is a member of the peptidase C1 protein family, is predominantly expressed in osteoclasts. However, the encoded protein is also expressed in a significant fraction of human breast cancers, where it could contribute to tumor invasiveness. Mutations in this gene are the cause of pycnodysostosis, an autosomal recessive disease characterized by osteosclerosis and short stature. [provided by RefSeq, Apr 2013]
UniProt Comments for CTSK	Closely involved in osteoclastic bone resorption and may participate partially in the disorder of bone remodeling. Displays potent endoprotease activity against fibrinogen at acid pH. May play an important role in extracellular matrix degradation.
Research Articles on CTSK	**1.** cathepsin K in the development of chronic subdural hematoma

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