

Rabbit CTSK Polyclonal Antibody | anti-CTSK antibody

CTSK Antibody (Center E112)

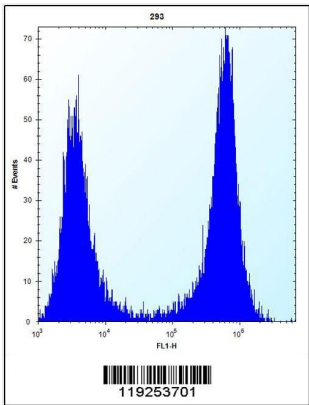
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286599	Rabbit	Human (Predicted Reactivity: Bovine, Monkey)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

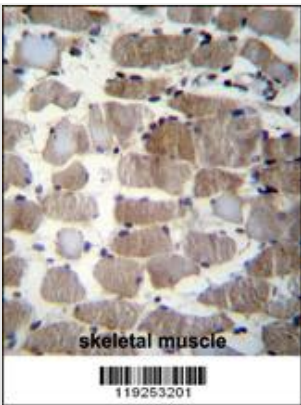
CTSK; Polyclonal Antibody; CTSK Antibody (Center E112); Cathepsin K; Cathepsin O; Cathepsin O2; Cathepsin X; CTSO; CTSO2; anti-CTSK antibody

PRODUCT SPECIFICATIONS

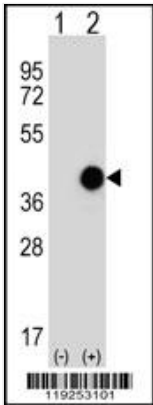
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CTSK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97-126 amino acids from the Central region of human CTSK.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	97-126
Sequence Length	329
Applicable Applications for anti-CTSK antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CTSK Antibody (Center E112) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CTSK Antibody (Center E112) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CTSK Antibody (Center E112) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CTSK (arrow) using rabbit polyclonal CTSK Antibody (Center E112). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CTSK gene.

ADDITIONAL INFORMATION

Related Product Information for anti-CTSK antibody	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. This gene may be subject to RNA editing. [provided by RefSeq].
Product Categories/Family for anti-CTSK antibody	Cancer; Cardiovascular; Cell biology; Immunology; Signal transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Novinec, M., et al. Biochem. J. 429(2):379-389(2010) Khan, B., et al. J. Investig. Med. 58(5):720-724(2010) Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) : Szumilo, J., et al. Folia Histochem. Cytobiol. 47(4):571-578(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503151
NCBI GeneID	1513
NCBI Accession #	NP_000387.1
NCBI GenBank Nucleotide #	NM_000396.3
UniProt Accession #	P43235; Q6FHS6
Molecular Weight	36966
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; CTSO2; CTSO1; CTSO2
NCBI Protein Information	cathepsin K
UniProt Protein Name	Cathepsin K
UniProt Gene Name	CTSK
UniProt Synonym Gene Names	CTSO; CTSO2
UniProt Entry Name	CATK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctsk-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/286599>