

Rabbit CTSK Polyclonal Antibody | anti-CTSK antibody

CTSK antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201040	Rabbit	Tested: Human, Rat Predicted: Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot

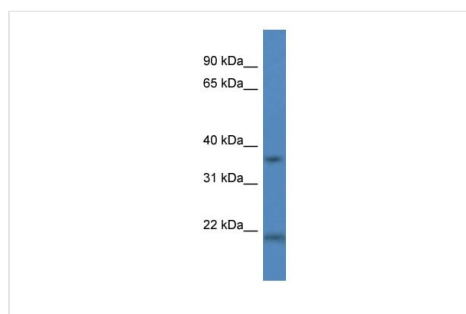
PRODUCT SYNONYMS

CTSK; Polyclonal Antibody; CTSK antibody - middle region; anti-CTSK antibody

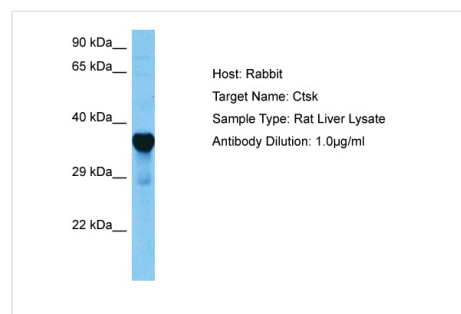
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested: Human, Rat Predicted: Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: SP QNLVDCVSEN DGCGGGYMTN AFQYVQKNRG IDSEDAYPYV QEEESCMY
Sequence Length	329
Applicable Applications for anti-CTSK antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Goat: 82%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CTSK
Protein Size (#AA)	329 amino acids
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-CTSK Antibody Titration: 1.0 ug/ml Positive Control: Fetal Liver


WB (Western Blot)

Host: Rat Target Name: CTSK Sample Tissue: Rat Liver Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CTSK antibody	This is a rabbit polyclonal antibody against CTSK. It was validated on Western Blot Target Description: 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.
Product Categories/Family for anti-CTSK antibody	Polyclonal; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503151
NCBI GeneID	1513
NCBI Accession #	NP_000387
NCBI GenBank Nucleotide #	NM_000396
UniProt Accession #	P43235
Molecular Weight	37kDa
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.