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anti-Cathepsin K antibody (Middle Region)

3 Images



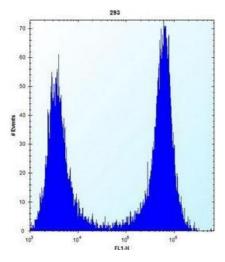
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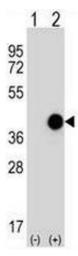
Quantity:	0.4 mL
Target:	Cathepsin K (CTSK)
Binding Specificity:	AA 96-126, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cathepsin K antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 96-126 amino acids from the Central region of Human Cathepsin K Genename: CTSK
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Cathepsin K.
Cross-Reactivity (Details):	Species reactivity (expected):Bovine, MonkeySpecies reactivity (tested):Human
Purification:	Saturated Ammonium Sulfate (SAS) Precipitation
Target Details	
Target:	Cathepsin K (CTSK)

Target Details

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Alternative Name:	Cathepsin K (CTSK Products)
Background:	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].Synonyms: CTSK, CTSO, CTSO2, Cathepsin O, Cathepsin O2, Cathepsin X
Molecular Weight:	36966 Da
Gene ID:	1513
NCBI Accession:	NP_000387
Pathways:	Activation of Innate immune Response, Toll-Like Receptors Cascades
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



skeletal muscle



Flow Cytometry

Image 1. AP51131PU-N Cathepsin K Antibody 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.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin fixed and paraffin embedded human skeletal muscle stained with CTSK Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.

Western Blotting

 $\label{lemage 3.} \begin{tabular}{ll} \textbf{Image 3.} We stern blot analysis of CTSK (arrow) using CTSK \\ \textbf{Antibody (Center) Cat.-No AP51131PU-N. 293 cell lysates (2 $\mu g/lane)$ either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CTSK gene. \\ \end{tabular}$