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Datasheet for ABIN656812

anti-Cathepsin K antibody (AA 97-126)

3 Images

Overview

Quantity:	400 µL
Target:	Cathepsin K (CTSK)
Binding Specificity:	AA 97-126
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cathepsin K antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB19253
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Cathepsin K (CTSK)
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Target Details

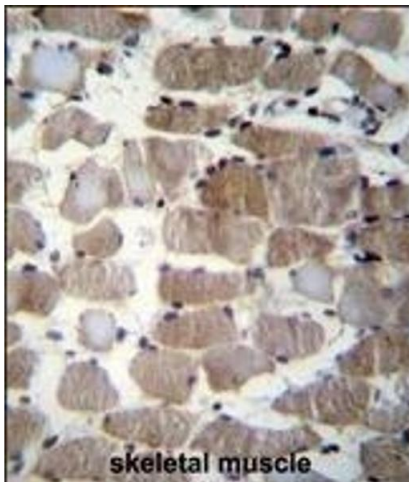
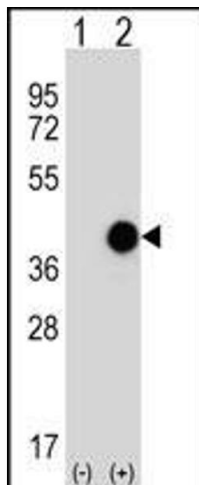
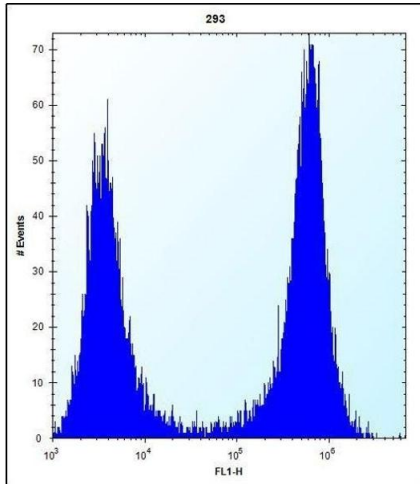
Alternative Name:	CTSK (CTSK Products)
Background:	<p>The protein encoded by this gene is a lysosomal cysteine proteinase involved in bone remodeling and resorption. This protein, which is a member of the peptidase C1 protein family, is predominantly expressed in osteoclasts. However, the encoded protein 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].</p>
Molecular Weight:	36966
Gene ID:	1513
NCBI Accession:	NP_000387
UniProt:	P43235
Pathways:	Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 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.
Storage:	4 °C, -20 °C
Storage Comment:	CTSK Antibody (Center E112) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



Flow Cytometry

Image 1. CTSK Antibody (Center) (ABIN656812 and ABIN2846026) 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.

Western Blotting

Image 2. Western blot analysis of CTSK (arrow) using rabbit polyclonal CTSK Antibody (Center) (ABIN656812 and ABIN2846026). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CTSK gene.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. CTSK Antibody (Center) (ABIN656812 and ABIN2846026) 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) for immunohistochemistry. Clinical relevance has not been evaluated.