

Datasheet for ABIN263224

anti-Cathepsin K antibody (Internal Region)



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1 Image

Overview

Quantity:	100 µg
Target:	Cathepsin K (CTSK)
Binding Specificity:	Internal Region
Reactivity:	Human, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Cathepsin K antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	Cathepsin K
Immunogen:	Peptide with sequence C-KTHRKQYNNKVDE, from the internal region (near N Terminus) of the protein sequence according to NP_000387.1.
Sequence:	KTHRKQYNNK VDE
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	Cathepsin K (CTSK)
Alternative Name:	CTSK (CTSK Products)
Background:	CTSK, cathepsin K, CTS02, CTS0, CTS01, CTS02, MGC23107, PKND, PYCD, cathepsin K (pynodysostosis), cathepsin O1, cathepsin O2, cathepsin X
Gene ID:	1513
NCBI Accession:	NP_000387
Pathways:	Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	Western Blot: Approx 37 kDa band observed in Rat Skeletal Muscle lysates and in preliminary testing of Human Skeletal Muscle lysate (calculated MW of 36.8 kDa according to Rat NP_113748.1). Recommended concentration:0.1-1 µg/mL. Primary incubation 1 hour at Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the vesicles of U2OSand MCF7 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Image 1. ABIN263224 (1µg/ml) staining of Human Lung lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.