

Datasheet for ABIN3201849

anti-Cathepsin K antibody (AA 115-329)



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2 Images

Overview

Quantity:	100 µL
Target:	Cathepsin K (CTSK)
Binding Specificity:	AA 115-329
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Cathepsin K antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Cathepsin K (CTSK)
Immunogen:	Recombinant Cathepsin K (CTSK) corresponding to Ala115~Met329 with N-terminal His Tag
Sequence:	MGHHHHHHSG SEF- LKYISIH NLEASLGVHT YELAMNHLGD MTSEEVVQKM TGLKVPLSHS RSNDTLYPE WEGRAPDSVD YRKKGYVTPV KNQGQCGSCW AFSSVGALEG QLKKKTGKLL NLSPQNLVDC VSENDGCGGG YMTNAFYVQ KNRGIDSEDA YPYVGQEESC MYNPTGKAAK CRGYREIPEG NEKALKRAVA RVGPVSVAID ASLTSFQFYS KGVVYDESCN SDNLNHAFLA VGYGIQKGNK HWIINKSWGE NWGNKGYILM ARNKNNA
Clone:	C1
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against CTSK. It has been selected for its

Product Details

	ability to recognize CTSK in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Pig, Rat
Purification:	Protein A + Protein G affinity chromatography

Target Details

Target:	Cathepsin K (CTSK)
Alternative Name:	Cathepsin K (CTSK Products)
Background:	CTS-K, CTS02, CTS0, CTS01, CTS02, PKND, PYCD, Pchnodysostosis, Cathepsin O, Cathepsin X
Pathways:	Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

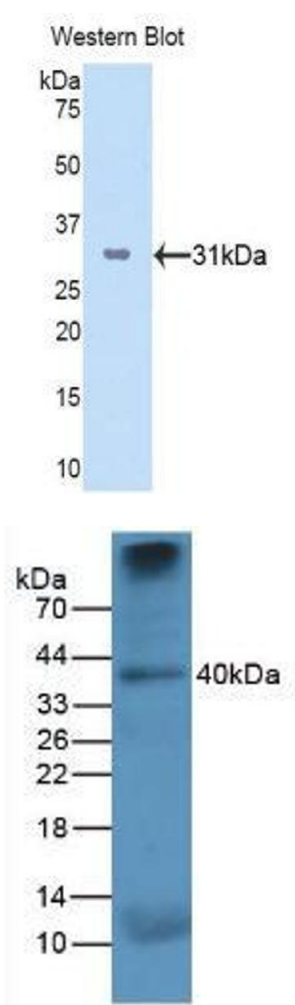
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of

Handling

	potentially explosive deposits in lead or copper plumbing.
Handling Advice:	Avoid repeated freeze/thaw cycles
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months

Images



Western Blotting

Image 1.

Western Blotting

Image 2. Figure. Western Blot; Sample: Human Lung Tissue.