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Datasheet for ABIN732038
anti-Cathepsin K antibody

1 Image

Overview

Quantity:	100 µL
Target:	Cathepsin K (CTSK)
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cathepsin K antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Capsin K
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Cathepsin K (CTSK)
Alternative Name:	Cathepsin K (CTSK Products)
Background:	Synonyms: Cathepsin K, Procathepsin K, Cathepsin K precursor, Cathepsin O, Cathepsin O1, Cathepsin O2, Cathepsin X, CathepsinK, CTS02, CTSK, CTSK protein, CTSO, CTSO1, CTSO2, MGC23107, PKND, PYCD, Pycnodysostosis, cath-K, CK. Background: The protein encoded by this gene is a lysosomal cysteine proteinase involved in

Target Details

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, Jul 2008].

Gene ID: 1513

Pathways: [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB: 1:100-1000, IHC-P: 1:100-500, IF(IHC-P): 1:50-200
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

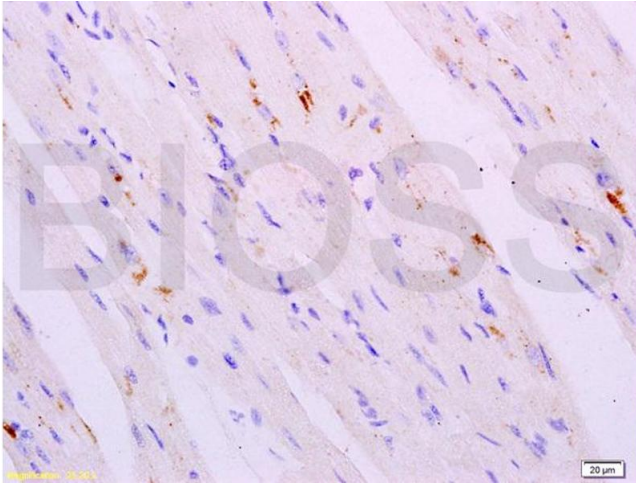
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse heart tissue labeled with Anti-Cathepsin K Polyclonal Antibody, Unconjugated (ABIN732038) at 1:200 followed by conjugation to the secondary antibody, (SP-0023), and DAB staining