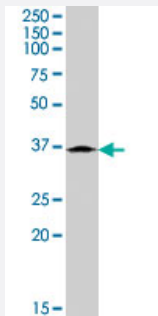


CTSK polyclonal antibody

Catalog # PAB7476

Size 100 ug

Applications



Western Blot (Tissue lysate)

CTSK polyclonal antibody (Cat # PAB7476) (1 ug/mL) staining of human lung lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of CTSK.

Immunogen A synthetic peptide corresponding to human CTSK.

Sequence C-KTHRKQYNNKVDE

Host Goat

Theoretical MW (kDa) 37

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:16000)
 Western Blot (1-3 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

CTSK polyclonal antibody (Cat # PAB7476) (1 ug/mL) staining of human lung lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CTSK

Entrez GeneID	1513
Protein Accession#	NP_000387.1
Gene Name	CTSK
Gene Alias	CTS02, CTSO, CTSO1, CTSO2, MGC23107, PKND, PYCD
Gene Description	cathepsin K
Omim ID	265800 601105
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000032938 cathepsin O1 cathepsin O2 cathepsin X

Publication Reference

- [Cathepsin K-dependent toll-like receptor 9 signaling revealed in experimental arthritis.](#)

Asagiri M, Hirai T, Kunigami T, Kamano S, Gober HJ, Okamoto K, Nishikawa K, Latz E, Golenbock DT, Aoki K, Ohya K, Imai Y, Morishita Y, Miyazono K, Kato S, Saftig P, Takayanagi H.

Science 2008 Feb; 319(5863):624.

Pathway

- [Lysosome](#)

Disease

- [Alzheimer disease](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
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- [Genetic Predisposition to Disease](#)
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