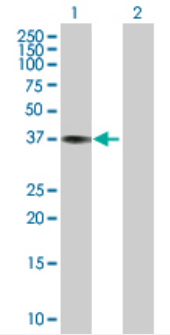
MaxPab®

CTSK purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001513-D01P Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CTSK expression in transfected 293T cell line (H00001513-T01) by CTSK MaxPab polyclonal antibody.

Lane 1: CTSK transfected lysate(37.00 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CTSK protein.
Immunogen	CTSK (NP_000387.1, 1 a.a. ~ 329 a.a) full-length human protein.
Sequence	MWGLKVLLLPVVSFALYPEEILDTHWELWKKTHRKQYNNKVDEISRRLIWEKNLKYISIHNLEASLG VHTYELAMNHLGDMTSEEVVQKMTGLKVPLSHSRSNDTLYIPEWEGRAPDSVDYRKKGYVTPVK NQGQCGSCWAFSSVGALEGQLKKKTGKLLNLSPQNLVDCVSENDGCGGGYMTNAFQYVQKNR GIDSEDAYPYVGQEESCMYNPTGKAAKCRGYREIPEGNEKALKRAVARVGPVSVAIDASLTSFQF YSKGVYYDESCNSDNLNHAVLAVGYGIQKGNKHWIIKNSWGENWGNKGYILMARNKNNACGIANL ASFPKM
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (88)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  Protocol Download

Gene Info — CTSK

Entrez GeneID	1513
GeneBank Accession#	NM_000396.2
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 predomina ntly expressed in osteoclasts. However, the encoded protein is also expressed in a significant fra ction of human breast cancers, where it could contribute to tumor invasiveness. Mutations in this g ene are the cause of pycnodysostosis, an autosomal recessive disease characterized by osteosc lerosis and short stature. This gene may be subject to RNA editing. [provided by RefSeq
Other Designations	OTTHUMP00000032938|cathepsin O1|cathepsin O2|cathepsin X

Pathway

- Lysosome

Disease

- Alzheimer disease
- Body Weight
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis
- Ovarian Neoplasms