

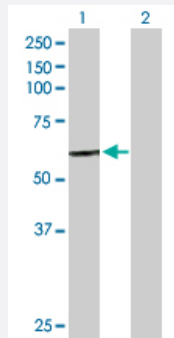
MaxPab®

CTSC purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001075-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CTSC expression in transfected 293T cell line ([H00001075-T02](#)) by CTSC MaxPab polyclonal antibody.

Lane 1: CTSC transfected lysate(51.80 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CTSC protein.

Immunogen

CTSC (NP_001805.1, 1 a.a. ~ 463 a.a) full-length human protein.

Sequence

MGAGPSLLLAALLLLSGDGAVRCDTPANCTYLDLLGTWVFQVGSSGSQRDVNCSVMGPQEKK
VVVYLQKLDAYDDLGN SGHFTIYNQGFELNDYKWF AFFKYKEEGSKVTTYCNETMTGWVHDV
LGRNWACFTGKKVGTASENVYVNTAHLKNSQEKYSNRLYKYDHN FVKAINAIQKSWTATTYMEYE
TLTLGDMIRRS GGHSRKIPRKPAPLTAEIQQKILHLPTSWDWRNVHGINFVSPVRNQASCGSCYS
FASMGMLEARIRILTNNSTPILSPQEVVSCSQYAQGCEGGFPYLIAGKYAQDFGLVEEACFPYTG
TDSPCKMKEDCFRYSSEYHYVGGFYGGCNEALMKLELVHHGPM AVAFEVYDDFLHYKKGMYHH
TGLRDPFNP FELTNHAVLLVGYGTDSASGMDYWVKN SWGTGWGENGYFRIRRGTDECAIESIAV
AATPIPKL

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (78); Rat (80)

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 — CTSC

Entrez GeneID

[1075](#)

GeneBank Accession#

[NM_001814](#)

Protein Accession#

[NP_001805.1](#)

Gene Name

CTSC

Gene Alias

CPPI, DPP1, DPPI, HMS, JP, JPD, PALS, PLS

Gene Description

cathepsin C

Omim ID

[170650](#) [245000](#) [245010](#) [602365](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that appears to be a central coordinator for activation of many serine proteinases in immune/inflammatory cells. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor, and a residual portion of the propeptide acts as an intra molecular chaperone for the folding and stabilization of the mature enzyme. This enzyme requires chloride ions for activity and can degrade glucagon. Defects in the encoded protein have been shown to be a cause of Papillon-Lefevre syndrome, an autosomal recessive disorder characterized by palmoplantar keratosis and periodontitis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

cathepsin J|dipeptidyl transferase|dipeptidyl-peptidase I

Pathway

- [Lysosome](#)

Disease

- [Acute Disease](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Liver Diseases](#)
- [Periodontitis](#)