

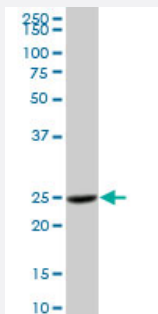
MaxPab®

# CTSH purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001512-B01P

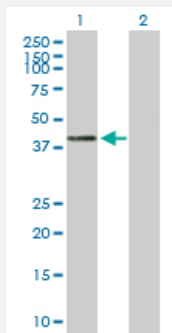
Size 50 ug

## Applications



### Western Blot (Tissue lysate)

CTSH MaxPab polyclonal antibody. Western Blot analysis of CTSH expression in human placenta.

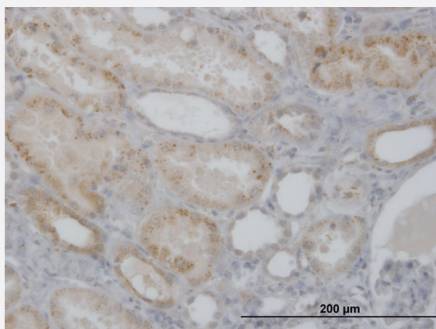


### Western Blot (Transfected lysate)

Western Blot analysis of CTSH expression in transfected 293T cell line ([H00001512-T01](#)) by CTSH MaxPab polyclonal antibody.

Lane 1: CTSH transfected lysate(36.96 KDa).

Lane 2: Non-transfected lysate.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to CTSH on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human CTSH protein.

|                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen               | CTSH (AAH02479, 1 a.a. ~ 335 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                       |
| Sequence                | MWATLPLLCAGAWLLGVPVCGAAELSVNSLEKFHFKSWMSKHRKTYSTEEYHHRLQTFASNWR<br>KINAHNNGNHTFKMALNQFSDMSFAEIKHKYLWSEPQNCSATKSNYLRTGTPYPPSVDWRKKGN<br>FVSPVKNQGACGSCWTFSTTGALESAIAIATGKMLSLAEQQLVDCAQDFNNHGCQGGLPSQAFE<br>YILYNKGIMGEDTYPYQGKDGCKYKFQPGKAIGFVKDVANITYDEEAMVEAVALYNPVSFAFEVTQD<br>FMMYRTGIYSSTSCHKTPDKVNHAVLAVGYGEKNGIPYWIVKNSWGPQWGMNGYFLIERGKNMC<br>GLAACASYIPLV |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                              |
| 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.                                                                                                                                                                                                                                                                                           |

## Applications

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[Protocol Download](#)

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[Protocol Download](#)

## Gene Info — CTSH

Entrez GeneID [1512](#)

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GeneBank Accession# | <a href="#">BC002479</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Protein Accession#  | <a href="#">AAH02479</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Name           | CTSH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias          | ACC-4, ACC-5, CPSB, DKFZp686B24257, MGC1519, minichain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Description    | cathepsin H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Omim ID             | <a href="#">116820</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Summary        | The protein encoded by this gene is a lysosomal cysteine proteinase important in the overall degradation of lysosomal proteins. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. The encoded protein, which belongs to the peptidase C1 protein family, can act both as an aminopeptidase and as an endopeptidase. Increased expression of this gene has been correlated with malignant progression of prostate tumors. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq] |
| Other Designations  | N-benzoylarginine-beta-naphthylamide hydrolase aleurain cathepsin B3 cathepsin BA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Publication Reference

- [The Expression and Activity of Cathepsins D, H and K in Asthmatic Airways.](#)

Faiz A, Tjin G, Harkness L, Weckmann M, Bao S, Black JL, Oliver BG, Burgess JK.

PLoS One 2013 Mar; 8(3):e57245.

Application: IHC, Human, Human airway tissues

## Pathway

- [Lysosome](#)

## Disease

- [Alzheimer disease](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)

- [Cognition](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)