

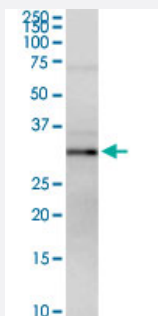
MaxPab®

MPST purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004357-D01P

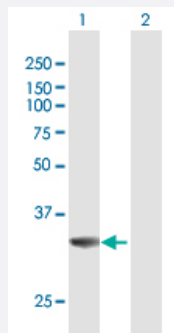
Size 100 ug

Applications



Western Blot (Tissue lysate)

MPST MaxPab rabbit polyclonal antibody. Western Blot analysis of MPST expression in mouse testis.



Western Blot (Transfected lysate)

Western Blot analysis of MPST expression in transfected 293T cell line ([H00004357-T02](#)) by MPST MaxPab polyclonal antibody.

Lane 1: MPST transfected lysate(33.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

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

Immunogen

MPST (NP_066949.1, 1 a.a. ~ 297 a.a) full-length human protein.

Sequence

MASPQLCRALVSAQWVAEALRAPRAGQPLQLLDASWYLPKLGRDARREFEERHIPGAFFDIDQ
CSDRTSPYDHMLPGAIEHFAEYAGRLGVGAATHVVIYDASDQGLYSAPRVVWMFRAFGHHAVAL
LDGGLRHWLRQNPLSSGKSQPAPAEFRAQLDPAFIKTYEDIKENLESRRFQVVDSDRATGRFRGT
EPEPRDGIPEGHIPGTVNIPFTDFLSQEGLEKSPEEIRHLFQEKKVDLSKPLVATCGSGVTACHVA
LGAYLCGKPDVPIYDGSWVEWYMRARPEDVISEGRGKTH

Host

Rabbit

| | |
|-------------------------|--|
| Reactivity | Human, Mouse |
| 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

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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Western Blot analysis of MPST expression in transfected 293T cell line ([H00004357-T02](#)) by MPST MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — MPST

| | |
|---------------------|------------------------------------|
| Entrez GeneID | 4357 |
| GeneBank Accession# | NM_021126.4 |
| Protein Accession# | NP_066949.1 |
| Gene Name | MPST |
| Gene Alias | MGC24539, MST, TST2 |
| Gene Description | mercaptopyruvate sulfurtransferase |
| Omim ID | 602496 |
| Gene Ontology | Hyperlink |

Gene Summary

This protein encoded by this gene catalyzes the transfer of a sulfur ion from 3-mercaptopyruvate to cyanide or other thiol compounds. It may be involved in cysteine degradation and cyanide detoxification. There is confusion in literature between this protein (mercaptopyruvate sulfurtransferase, MPST), which appears to be cytoplasmic, and thiosulfate sulfurtransferase (rhodanese, TST, GeneID:7263), which is a mitochondrial protein. Deficiency in MPST activity has been implicated in a rare inheritable disorder known as mercaptolactate-cysteine disulfiduria (MCDU). Alternatively spliced transcript variants encoding same or different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

3-mercaptopyruvate sulfurtransferase|OTTHUMP00000028670|human liver rhodanese

Pathway

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)