

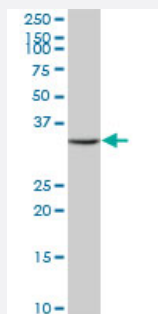
MaxPab®

MPST purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004357-B01P

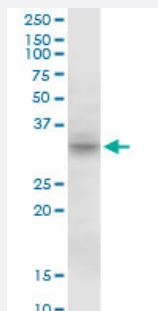
Size 50 ug

Applications



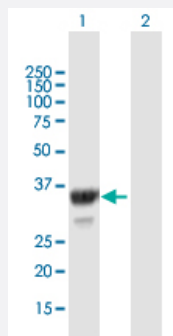
Western Blot (Tissue lysate)

MPST MaxPab polyclonal antibody. Western Blot analysis of MPST expression in human liver.



Western Blot (Cell lysate)

MPST MaxPab polyclonal antibody. Western Blot analysis of MPST expression in K-562.



Western Blot (Transfected lysate)

Western Blot analysis of MPST expression in transfected 293T cell line ([H00004357-T01](#)) by MPST MaxPab polyclonal antibody.

Lane 1: MPST transfected lysate(32.67 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse 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	MASPQLCRALVSAQWVAEALRAPRAGQPLQLLDASWYLPKLGRDARREFEERHIPGAAFFDIDQ CSDRTSPYDHMLPGAEHFAEYAGRLGVGAATHVVYDASDQGLYSAPRVWWMFRAFGHHAVSL LDGGLRHWLRQNLPLSSGKSQPAPAEFRAQLDPAFIKTYEDIKENLESRRFQVVDSRATGRFRGT EPEPRDGIPEGHIPGTVNIPFTDFLSQEGLEKSPEEIRHLFQEKKVDLSKPLVATCGSGVTACHVA LGAYLCGKPDVPIYDGSWVEWYMRARPEDVISEGRGKTH
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

- Western Blot (Tissue lysate)

MPST MaxPab polyclonal antibody. Western Blot analysis of MPST expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

MPST MaxPab polyclonal antibody. Western Blot analysis of MPST expression in K-562.

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- Western Blot (Transfected lysate)

Western Blot analysis of MPST expression in transfected 293T cell line ([H00004357-T01](#)) by MPST MaxPab polyclonal antibody.

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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	<p>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]</p>
Other Designations	3-mercaptopyruvate sulfurtransferase OTTHUMP00000028670 human liver rhodanese

Pathway

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