

DNAxPAb

Hard-to-Find  
Antibody

# MPST DNAxPab

Catalog # H00004357-W01P

Size 200 ug

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against a full-length human MPST DNA using DNAx™ Immune technology.
<b>Technology</b>	<a href="#">DNAx™ Immune</a>
<b>Immunogen</b>	Full-length human DNA
<b>Sequence</b>	MASPQLCRALVSAQWVAEALRAPRAGQPLQLLDASWYLPKLGRDARREFEERHIPGAAFFDIDQ CSDRTSPYDHMLPGAIEHFAEYAGRLGVGAATHVVYDASDQGLYSAPRVWWMFRAFGHHAVSL LDGGLRHWLRQNLPLSSGKSQPAPAEFRAQLDPAFIKTYEDIKENLESRRFQVVDSDRATGRFRGT EPEPRDGIEPGHIPGTVNIPFTDFLSQEGLEKSPEEIRHLFQEKKVDLSKPLVATCGSGVTACHVA LGAYLCGKPDVPYDGSWVEWYMRARPEDVISEGRGKTH
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Quality Control Testing</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## 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](#)