

## MPST Polyclonal Antibody

<b>Catalog No.</b>	A11587	<b>Category</b>	Polyclonal Antibodies
<b>Applications</b>	WB	<b>Observed MW</b>	35kDa
<b>Cross-reactivity</b>	Mouse, Rat	<b>Calculated MW</b>	33kDa/35kDa

### Immunogen Information

<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 30-170 of human MPST (NP_066949.2).
<b>Gene ID</b>	4357
<b>Swiss prot</b>	P25325
<b>Synonyms</b>	MPST; MST; TST2; TUM1; mercaptopyruvate sulfur transferase

### Product information

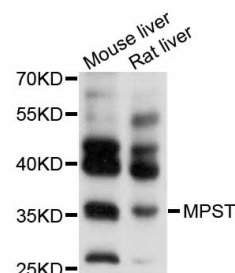
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

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.

### Recommended Dilutions

WB 1:500 -  
1:2000



Western blot - MPST Polyclonal Antibody (A11587)