

Rabbit MPST Polyclonal Antibody | anti-MPST antibody

MPST antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199916	Rabbit	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot

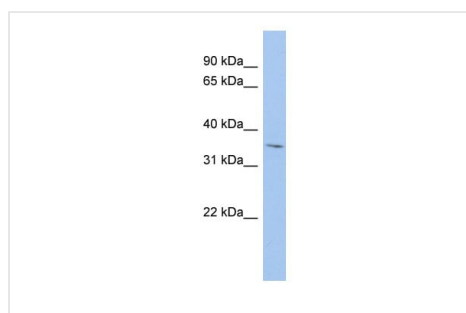
PRODUCT SYNONYMS

MPST; Polyclonal Antibody; MPST antibody - middle region; anti-MPST antibody

PRODUCT SPECIFICATIONS

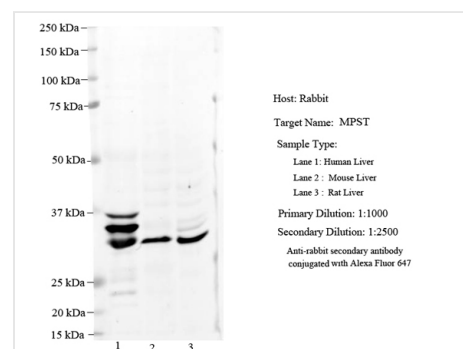
Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: DP AFIKTYEDIK ENLESRRFQV VDSRATGRFR GTEPEPRDGI EPGHIPGT
Sequence Length	297
Applicable Applications for anti-MPST antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 93%; Pig: 100%; Rabbit: 100%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human MPST
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



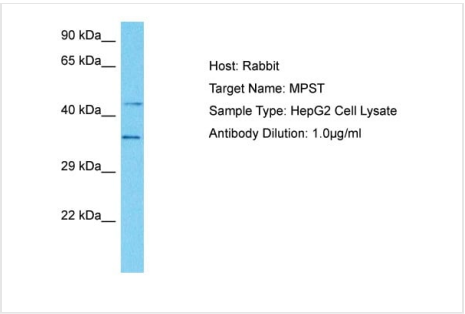
WB (Western Blot)

WB Suggested Anti-MPST Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:62500
 Positive Control: HepG2 cell lysate
 MPST is supported by BioGPS gene expression data to be expressed in HepG2



WB (Western Blot)

Host: Rabbit
 Target Name: MPST
 Sample Type: Lane 1: 40 ug Human Liver lysate, Lane 2: 40 ug Mouse Liver lysate, Lane 3: 40 ug Rat Liver lysate
 Primary Antibody Dilution: 1:1000
 Secondary Antibody Dilution: 1:2500
 Anti-rabbit secondary antibody conjugated with Alexa Fluor 647
 Submitted by: Hua Jiang, University of Colorado.



WB (Western Blot)
Host: RabbitTarget Name: MPSTSample Tissue: Human HepG2 Whole CellAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-MPST antibody	This is a rabbit polyclonal antibody against MPST. It was validated on Western Blot using a cell lysate as a positive control. Target Description: MPST transfer of a sulfur ion to cyanide or to other thiol compounds. MPST also has weak rhodanese activity. MPST may have a role in cyanide degradation or in thiosulfate biosynthesis.This gene encodes a protein which can function as a monomer or as a disulfide-linked homodimer and which catalyzes the transfer of a sulfur ion from 3-mercaptopyruvate to cyanide or other thiol compounds. It may be involved in cyanide degradation and in thiosulfate biosynthesis. The encoded cytoplasmic protein is a member of the rhodanese family but is not rhodanese itself, which is a mitochondrial protein. Alternatively spliced transcript variants encoding the same protein have been identified.
Product Categories/Family for anti-MPST antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	194473668
NCBI GeneID	4357
NCBI Accession #	NP_066949
NCBI GenBank Nucleotide #	NM_021126
UniProt Accession #	P25325
Molecular Weight	33kDa
NCBI Official Full Name	3-mercaptopyruvate sulfurtransferase isoform 1
NCBI Official Synonym Full Names	mercaptopyruvate sulfurtransferase
NCBI Official Symbol	MPST
NCBI Official Synonym Symbols	MST; TST2; TUM1
NCBI Protein Information	3-mercaptopyruvate sulfurtransferase
UniProt Protein Name	3-mercaptopyruvate sulfurtransferase
UniProt Gene Name	MPST
UniProt Synonym Gene Names	TST2; MST
UniProt Entry Name	THTM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

