

Rabbit anti-Human MPST Polyclonal Antibody | anti-MPST antibody

MPST Antibody (C-term)

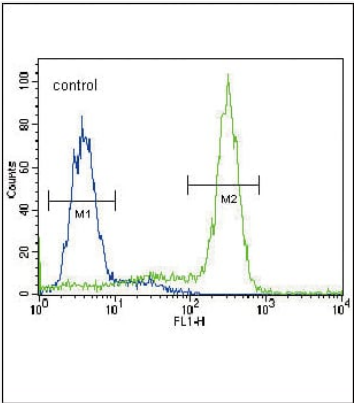
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288571	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

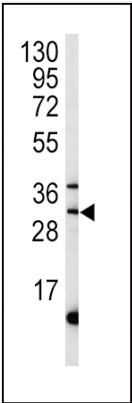
MPST; Polyclonal Antibody; MPST Antibody (C-term); 3-mercaptopyruvate sulfurtransferase; MST; TST2; anti-MPST antibody

PRODUCT SPECIFICATIONS

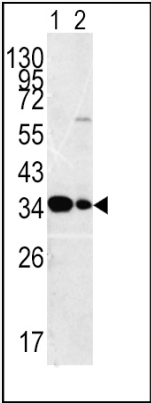
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MPST antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 269-297 amino acids from the C-terminal region of human MPST.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	269-297
Sequence Length	297
Applicable Applications for anti-MPST antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
MPST Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of MPST antibody (C-term) in mouse liver tissue lysates (35ug/lane). MPST (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of MPST antibody (C-term) in HepG2 (lane 1) and HeLa (lane 2) cell line lysates (35ug/lane). MPST (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MPST antibody	MPST 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), which is a mitochondrial protein. Deficiency in MPST activity has been implicated in a rare inheritable disorder known as mercaptolactate-cysteine disulfiduria (MCDU).
Product Categories/Family for anti-MPST antibody	Metabolism; Signal Transduction
References	Billaut-Laden, I., Toxicol. Lett. 165 (2), 101-111 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	61835204
NCBI GeneID	4357
NCBI Accession #	NP_001013454.1; NP_001123989.1; NP_066949.2
NCBI GenBank Nucleotide #	NM_001013436.2
UniProt Accession #	P25325; O75750; Q6FHN9; A8MZ34; B3KP52; J3KPV7
Molecular Weight	33178

NCBI Official Full Name	3-mercaptopyruvate sulfurtransferase isoform 2
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mpst-antibody-flow-cytometry-western-blot-elisa/288571>