

Datasheet for ABIN392001  
**anti-MPST antibody (C-Term)**

3 Images

1 Publication

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## Overview

Quantity:	400 µL
Target:	MPST
Binding Specificity:	AA 269-297, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MPST antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	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.
Clone:	RB18649
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	MPST
Alternative Name:	MPST ( <a href="#">MPST Products</a> )

## Target Details

Background:	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).
Molecular Weight:	33178
Gene ID:	4357
NCBI Accession:	<a href="#">NP_001013454</a> , <a href="#">NP_001123989</a> , <a href="#">NP_066949</a>
UniProt:	<a href="#">P25325</a>

## Application Details

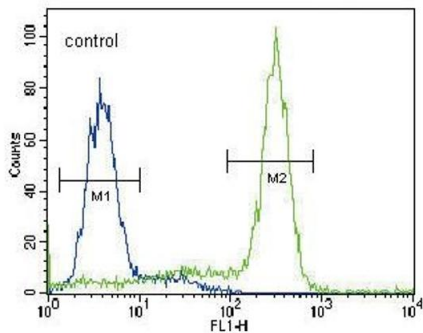
Application Notes:	WB: 1:1000. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

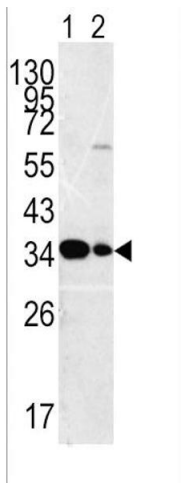
## Publications

Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: <b>Molecular systems biology</b> , Vol. 3, pp. 89, (2007) ( <a href="#">PubMed</a> ).
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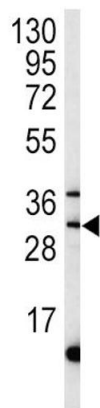
Flow Cytometry

**Image 1.** ST Antibody (C-term) (ABIN392001 and ABIN2841786) flow cytometric analysis of HepG2 cells (right histogram) coared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

**Image 2.** Western blot analysis of ST antibody (C-term) (ABIN392001 and ABIN2841786) in HepG2ane 1nd Hela(lane2 ) cell line lysates (35 µg/lane). ST (arrow) was detected using the purified Pab.



Western Blotting

**Image 3.** Western blot analysis of ST antibody (C-term) (ABIN392001 and ABIN2841786) in mouse liver tissue lysates (35 µg/lane). ST (arrow) was detected using the purified Pab.