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Datasheet for ABIN2783349 anti-MPST antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	MPST
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Rabbit, Cow, Dog, Horse, Goat, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MPST antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MPST
Sequence:	DPAFIKTYED IKENLESRRF QVVDSRATGR FRGTEPEPRD GIEPGHIPGT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against MPST. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	MPST

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Target Details	
Alternative Name:	MPST (MPST Products)
Background:	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. Alias Symbols: MGC24539, MST, TST2 Protein Interaction Partner: UBC, NEDD8, TMEM189, S100A16, NADK2, SEPT11, TIMM9, YKT6,
	SEC22B, VAPB, UQCRFS1, UPP1, TPI1, NDUFV1, ANXA4, RAE1, Protein Size: 297
Molecular Weight:	33 kDa
Gene ID:	4357
NCBI Accession:	NM_021126, NP_066949
UniProt:	P25325

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 297 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Sharma, Burdon, Chidlow, Klebe, Crawford, Dimasi, Dave, Martin, Javadiyan, Wood, Casson,
	Danoy, Griggs, Hewitt, Landers, Mitchell, Mackey, Craig: "Association of genetic variants in the

Danoy, Griggs, Hewitt, Landers, Mitchell, Mackey, Craig: "Association of genetic variants in the TMCO1 gene with clinical parameters related to glaucoma and characterization of the protein in the eye." in: **Investigative ophthalmology & visual science**, Vol. 53, Issue 8, pp. 4917-25, (2012) (PubMed).

Burdon, Macgregor, Hewitt, Sharma, Chidlow, Mills, Danoy, Casson, Viswanathan, Liu, Landers, Henders, Wood, Souzeau, Crawford, Leo, Wang, Rochtchina, Nyholt, Martin, Montgomery, Mitchell, Brown et al.: "Genome-wide association study identifies susceptibility loci for open angle glaucoma at TMCO1 and CDKN2B-AS1. ..." in: **Nature genetics**, Vol. 43, Issue 6, pp. 574-8, (2011) (PubMed).

Images



Western Blotting

Image 1. 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

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Images



Western Blotting

Image 2. 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: Anti-rabbit secondary antibody conjugated with Alexa Fluor 647 Secondary Antibody Dilution: 1:2500 Submitted by: Hua Jiang, University of Colorado.

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