

Datasheet for ABIN7464791
anti-MPST antibody (C-Term)



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Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | MPST |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MPST antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human MPST. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Purification: | Purified by antigen-affinity chromatography. |
| Grade: | KO Validated |

Target Details

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| Target: | MPST |
| Alternative Name: | mercaptopyruvate sulfurtransferase (MPST Products) |

Target Details

Background: Mercaptopyruvate sulfurtransferase , MST , TST2 , TUM1, 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. [provided by RefSeq]

Molecular Weight: 33 kDa

Gene ID: 4357

UniProt: [P25325](#)

Application Details

Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: mouse liver , 293T
Validation: KO/KD, Orthogonal

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.57 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.