

For Research Use Only

# MPST Polyclonal antibody, PBS Only

Catalog Number: 33209-1-PBS



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>33209-1-PBS       | <b>GenBank Accession Number:</b><br>BC016737            | <b>Purification Method:</b><br>Antigen affinity Purification |
| <b>Concentration:</b><br>1 mg/ml            | <b>GeneID (NCBI):</b><br>4357                           |  |
| <b>Source:</b><br>Rabbit                    | <b>UNIPROT ID:</b><br>P25325                            |  |
| <b>Isotype:</b><br>IgG                      | <b>Full Name:</b><br>mercaptopyruvate sulfurtransferase |  |
| <b>Immunogen Catalog Number:</b><br>AG38043 | <b>Calculated MW:</b><br>33 kDa                         |  |
|   | <b>Observed MW:</b><br>33 kDa                           |  |

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

3-Mercaptopyruvate sulfurtransferase (MPST) catalyzes the desulfuration of 3-mercaptopyruvate to generate an enzyme-bound hydropersulfide. Subsequently, MPST transfers the persulfide's outer sulfur atom to proteins or small molecule acceptors. MPST activity is known to be involved in hydrogen sulfide generation, tRNA thiolation, protein urmylation and cyanide detoxification. Tissue-specific changes in MPST expression correlate with ageing and the development of metabolic disease. Deletion and overexpression experiments suggest that MPST contributes to oxidative stress resistance, mitochondrial respiratory function and the regulation of fatty acid metabolism (PMID: 33055309).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

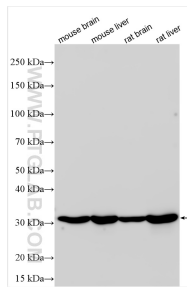
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33209-1-AP (MPST antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33209-1-PBS in a different storage buffer formulation.