

For Research Use Only

MPST Polyclonal antibody

Catalog Number: 33209-1-AP



Basic Information

Catalog Number: 33209-1-AP	GenBank Accession Number: BC016737	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop;	GeneID (NCBI): 4357	Recommended Dilutions: WB: 1:5000-1:50000
Source: Rabbit	UNIPROT ID: P25325	
Isotype: IgG	Full Name: mercaptopyruvate sulfurtransferase	
Immunogen Catalog Number: AG38043	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, mouse liver tissue, rat brain tissue, rat liver tissue
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

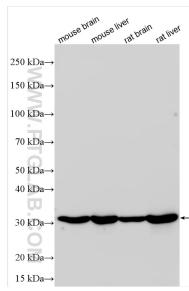
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.