

For Research Use Only

MGST3 Polyclonal antibody, PBS Only

Catalog Number:20114-1-PBS



Basic Information

Catalog Number: 20114-1-PBS	GenBank Accession Number: BC000505	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4259	
Source: Rabbit	UNIPROT ID: O14880	
Isotype: IgG	Full Name: microsomal glutathione S-transferase 3	
Immunogen Catalog Number: AG13932	Calculated MW: 152 aa, 17 kDa	
	Observed MW: 16 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Microsomal glutathione transferase 3 (MGST3) is member of microsomal prostaglandin E synthases super family that exhibits diversified functions in eicosanoid and GSH metabolism. MGST3 expression level correlates with hippocampal size, and mutation of MGST3 contributes to spinal muscular dystrophy (PMID: 37760932). MGST3 KD did not alter intracellular reactive oxygen species level but selectively reduced the expression of apoptosis indicators which could be associated with the receptor of cysteinyl leukotrienes, the downstream metabolites of MGST3 in arachidonic acid pathway (PMID: 38971310).

Storage

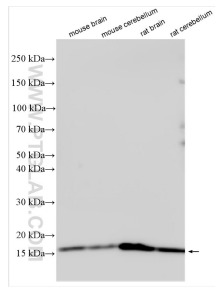
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20114-1-AP (MGST3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20114-1-PBS in a different storage buffer formulation.