

For Research Use Only

HSPA12A Polyclonal antibody, PBS Only

Catalog Number:33696-1-PBS



Basic Information

Catalog Number: 33696-1-PBS	GenBank Accession Number: BC156889	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 259217	
Source: Rabbit	UNIPROT ID: O43301	
Isotype: IgG	Full Name: heat shock 70kDa protein 12A	
Immunogen Catalog Number: AG36620	Calculated MW: 675 aa, 75 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Heat shock protein A12A (HSPA12A) is a distant member of the HSP70 family, which is widely expressed with highest levels in brain, kidney and muscle (PMID: 12552099). HSPA12A encodes a prosurvival pathway against endotoxemic liver injury. Particularly, glycolytic activity in cancer cells is regulated by HSPA12A. HSPA12A modulates glycolysis-derived lactate to affect HMGB1 lactylation and secretion from hepatocytes, by which changes macrophage chemotaxis and activation, and finally affects LI/R injury (PMID: 37441587).

Storage

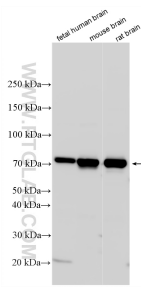
Storage:
Store at -80°C.

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33696-1-AP (HSPA12A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33696-1-PBS in a different storage buffer formulation.