

For Research Use Only

# HSPA12A Polyclonal antibody

Catalog Number:33696-1-AP



## Basic Information

<b>Catalog Number:</b> 33696-1-AP	<b>GenBank Accession Number:</b> BC156889	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 320 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 259217	<b>Recommended Dilutions:</b> WB: 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43301	
<b>Isotype:</b> IgG	<b>Full Name:</b> heat shock 70kDa protein 12A	
<b>Immunogen Catalog Number:</b> AG36620	<b>Calculated MW:</b> 675 aa, 75 kDa	
	<b>Observed MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : fetal human brain tissue, mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> 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 pro-survival 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 -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

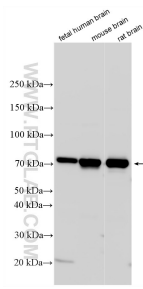
For technical support and original validation data for this product please contact:

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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.