

For Research Use Only

HSPA12A Polyclonal antibody

Catalog Number:33696-1-AP



Basic Information

Catalog Number:

33696-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36620

GenBank Accession Number:

BC156889

GeneID (NCBI):

259217

UNIPROT ID:

O43301

Full Name:

heat shock 70kDa protein 12A

Calculated MW:

675 aa, 75 kDa

Observed MW:

75 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : fetal human brain tissue, mouse brain tissue, rat brain tissue

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

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

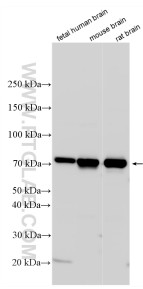
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Selected Validation Data



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.