

HSPA4 Rabbit pAb

HSPA4 Rabbit pAb Catalog # AP56942

Product Information

Application WB Primary Accession P34932

Reactivity Human, Mouse, Rabbit, Horse

Host Rabbit
Clonality Polyclonal
Calculated MW 94331
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human HSPA4

Epitope Specificity 501-600/840

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm.

SIMILARITY Belongs to the heat shock protein 70 family.

Post-translational Phosphorylated upon DNA damage, probably by ATM or ATR. modifications

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions The heat shock proteins (HSPs) comprise a group of highly conserved,

abundantly expressed proteins with diverse functions, which include the assembly and sequestering of multiprotein complexes, transportation of nascent polypeptide chains across cellular membranes and regulation of protein folding. Heat shock proteins (also known as molecular chaperones) fall into six general families: HSP 90, HSP 70, HSP 60, the low molecular weight HSPs, the immunophilins and the HSP 110 family. The HSP 110 family (also known as the HSP 105 family) is composed of HSP 105, Apg-1 and Apg-2.

Additional Information

Gene ID 3308

Other Names Heat shock 70 kDa protein 4, HSP70RY, Heat shock 70-related protein APG-2,

Heat shock protein family H member 2, HSPA4, APG2, HSPH2

{ECO:0000303|PubMed:18663603}

Dilution WB=1:500-2000

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name HSPA4

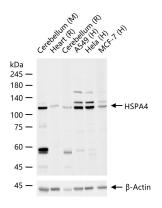
Synonyms APG2, HSPH2 {ECO:0000303 | PubMed:18663603

Cellular Location Cytoplasm.

Background

The heat shock proteins (HSPs) comprise a group of highly conserved, abundantly expressed proteins with diverse functions, which include the assembly and sequestering of multiprotein complexes, transportation of nascent polypeptide chains across cellular membranes and regulation of protein folding. Heat shock proteins (also known as molecular chaperones) fall into six general families: HSP 90, HSP 70, HSP 60, the low molecular weight HSPs, the immunophilins and the HSP 110 family. The HSP 110 family (also known as the HSP 105 family) is composed of HSP 105, Apg-1 and Apg-2.

Images



25 ug total protein per lane of various lysates (see on figure) probed with HSPA4 polyclonal antibody, unconjugated (AP56942) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.