

## Rabbit HSPA4 Monoclonal Antibody | anti-HSPA4 antibody

HSPA4 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                                                  |
|-----------|--------|-------------------|---------------------------------------------------------------------------------------------------------------|
| AAA30214  | Rabbit | Human, Mouse, Rat | Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay |

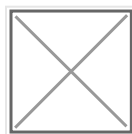
### PRODUCT SYNONYMS

HSPA4; Monoclonal Antibody; HSPA4 Antibody; APG 2 antibody; Epididymis secretory sperm binding protein Li 5a antibody; Heat shock 70 kDa protein 4 antibody; Heat shock 70 related protein APG 2 antibody; Heat shock 70-related protein APG-2 antibody; Heat shock protein; 110 kDa antibody; HEL S 5a antibody; HS24/P52 antibody; hsp70 antibody; Hsp70 RY antibody; hsp70RY antibody; HSP74\_HUMAN antibody; HSPA4 antibody; HSPH2 antibody; MGC131852 antibody; RY antibody; anti-HSPA4 antibody

### PRODUCT SPECIFICATIONS

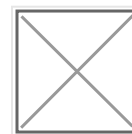
|                                                 |                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                       |
| Reactivity                                      | Human, Mouse, Rat                                                                                                            |
| Clonality                                       | Monoclonal                                                                                                                   |
| Clone Number                                    | SD0861                                                                                                                       |
| Purity/Purification                             | ProA affinity purified                                                                                                       |
| Form/Format                                     | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.                                                       |
| Applicable Applications for anti-HSPA4 antibody | WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry) |
| Application Notes                               | WB: 1:1000-5000<br>IHC: 1:50-1:200<br>ICC: 1:100-1:500<br>FC/FACS: 1:50-1:100                                                |
| Antibody Type                                   | Recombinant Antibody                                                                                                         |
| Immunogen                                       | Recombinant protein                                                                                                          |
| Conjugation                                     | Unconjugated                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C.                                                                                                       |

### IMAGES



#### FCM (Flow Cytometry)

Flow cytometric analysis of Hela cells with HSPA4 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



#### ICC (Immunocytochemistry)

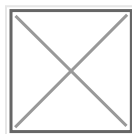
ICC staining HSPA4 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**ICC (Immunocytochemistry)**

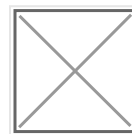
ICC staining HSPA4 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-HSPA4 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-HSPA4 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-HSPA4 antibody. Counter stained with hematoxylin.

**ADDITIONAL INFORMATION**

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-HSPA4 antibody</b> | 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. |
| <b>Product Categories/Family for anti-HSPA4 antibody</b>   | <a href="#">Total protein Ab</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**NCBI AND UNIPROT INFORMATION**

|                                         |                                                                                                                                    |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">38327039</a>                                                                                                           |
| <b>NCBI GeneID</b>                      | <a href="#">3308</a>                                                                                                               |
| <b>NCBI Accession #</b>                 | <a href="#">NP_002145.3</a>                                                                                                        |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_002154.3</a>                                                                                                        |
| <b>UniProt Accession #</b>              | <a href="#">P34932</a> ; <a href="#">O95756</a> ; <a href="#">Q2TAL4</a>                                                           |
| <b>Molecular Weight</b>                 | 94,331 Da                                                                                                                          |
| <b>NCBI Official Full Name</b>          | heat shock 70 kDa protein 4                                                                                                        |
| <b>NCBI Official Synonym Full Names</b> | heat shock 70kDa protein 4                                                                                                         |
| <b>NCBI Official Symbol</b>             | HSPA4                                                                                                                              |
| <b>NCBI Official Synonym Symbols</b>    | RY; APG-2; HSPH2; hsp70; hsp70RY; HS24/P52                                                                                         |
| <b>NCBI Protein Information</b>         | heat shock 70 kDa protein 4; hsp70 RY; heat shock 70kD protein 4; heat shock protein, 110 kDa; heat shock 70-related protein APG-2 |
| <b>UniProt Protein Name</b>             | Heat shock 70 kDa protein 4                                                                                                        |
| <b>UniProt Gene Name</b>                | <b>HSPA4</b>                                                                                                                       |
| <b>UniProt Synonym Gene Names</b>       | APG2                                                                                                                               |
| <b>UniProt Entry Name</b>               | HSP74_HUMAN                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

