

Product datasheet for **TA339252**

HSPA4 Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for anti-HSPA4 antibody: synthetic peptide directed towards the middle region of human HSPA4. Synthetic peptide located within the following region: PIKIRFQESEERPKLFEELGKQIQYMKIISFKNKEDQYDHLDAADMTK |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Concentration: | lot specific |
| Purification: | Protein A purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 94 kDa |
| Gene Name: | heat shock protein family A (Hsp70) member 4 |
| Database Link: | NP_002145 Entrez Gene 3308 Human P34932 |



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Background: HSPA4(Hsp70) belongs to the heat shock protein 70 family. It was isolated as a putative Rictor interacting protein and interaction with membranes acts as a platform for its release into the extracellular environment during its recovery from stress. Hsp70 gene expression in Rheumatoid Arthritis-affected synovial tissue is followed by Hsp70 cell surface expression on fibroblast-like synovial cells growing from RA synovial tissue. Serum Hsp70 levels were increased in Systemic sclerosis patients, and associated with pulmonary fibrosis, skin sclerosis, renal vascular damage, oxidative stress, and inflammation.

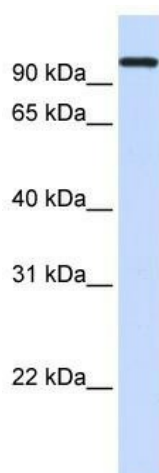
Synonyms: APG-2; HEL-S-5a; HS24; hsp70; hsp70RY; HSPH2; P52; RY

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%; Bovine: 93%; Zebrafish: 85%

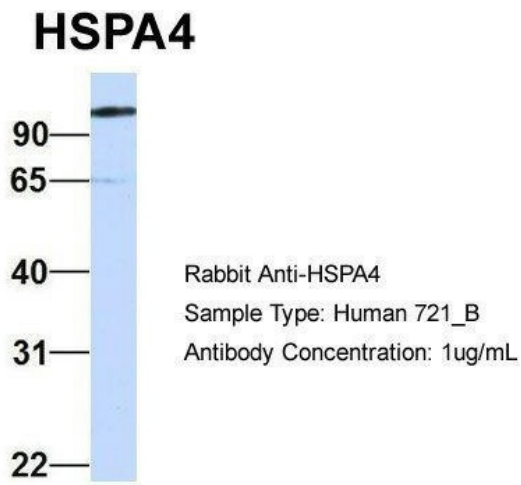
Protein Families: Druggable Genome, ES Cell Differentiation/IPS

Protein Pathways: Antigen processing and presentation

Product images:



WB Suggested Anti-HSPA4 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: Human brain



Host: Rabbit; Target Name: HSPA4; Sample Tissue: Human 721_B; Antibody Dilution: 1.0 ug/ml. HSPA4 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells