

## Product datasheet for **TA339251**

### HSPA4 Rabbit Polyclonal Antibody

#### Product data:

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 N terminal of human HSPA4. Synthetic peptide located within the following region: PACISFGPKNRSIGAAAKSQVISNAKNTVQGFKRFHGRAFSDFVVEAEKS
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:	<a href="#">NP_002145</a> <a href="#">Entrez Gene 3308 Human</a> <a href="#">P34932</a>



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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.

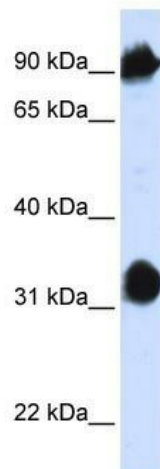
**Synonyms:** APG-2; HEL-S-5a; HS24; hsp70; hsp70RY; HSPH2; P52; RY

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

**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: 62500; Positive Control: 293T cell lysate