

Product datasheet for **TA358560**

HSP70-1B (HSPA1B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	Expected reactivity: Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish Homology: Cow: 100%; Dog: 93%; Goat: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 100%; Rat: 93%; Sheep: 100%; Zebrafish: 93%
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:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	70kDa
Gene Name:	heat shock protein family A (Hsp70) member 1B
Database Link:	NP_005337 Entrez Gene 3304 Human P08107



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Background:

This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.

Synonyms:

FLJ54328; HSP70-1/HSP70-2; HSP70-1B; HSP70-2; HSP70.1; HSPA1; HSPA1A

Protein Pathways:

Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Spliceosome

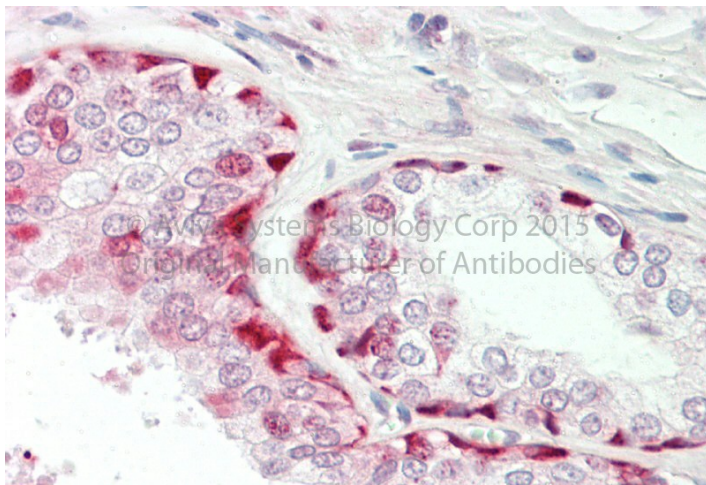
Product images:

WB Suggested Anti-HSPA1B Antibody

Titration: 1.0 ug/ml

Positive Control: MDA-MB-435S Whole

CellHSPA1B is strongly supported by BioGPS gene expression data to be expressed in Human MDA-MB435 cells



Rabbit Anti-HSPA1B antibody

Catalog Number: ARP63869

Formalin Fixed Paraffin Embedded Tissue:

Human Adult Prostate

Observed Staining: Cytoplasm in hepatocytes

Primary Antibody Concentration: 1:600

Secondary Antibody: Donkey anti-Rabbit-Cy3

Secondary Antibody Concentration: 1:200

Magnification: 20X

Exposure Time: 0.5–2.0 sec