

Product datasheet for **AM06455SU-N**

HSPA4 Mouse Monoclonal Antibody [Clone ID: 5A6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5A6
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500-1/2000. Immunofluorescence: 1/200-1/1000. Immunohistochemistry on Paraffin Sections: 1/200-1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human HSP70 expressed in E. Coli.
Specificity:	This antibody reacts to HSP70.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	70 kDa
Gene Name:	heat shock protein family A (Hsp70) member 4
Database Link:	Entrez Gene 3308 Human P34932



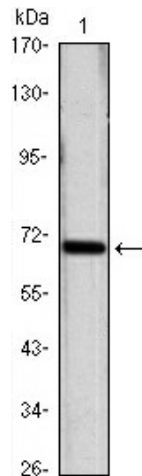
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Background:

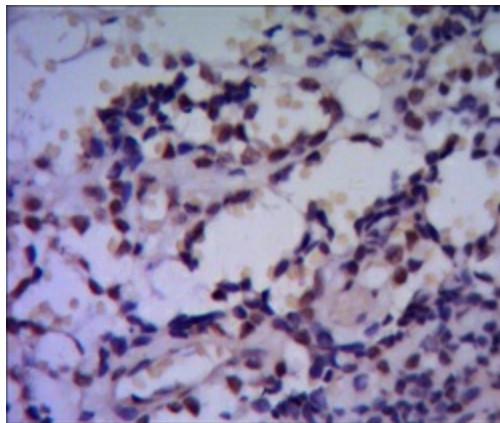
This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. 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:

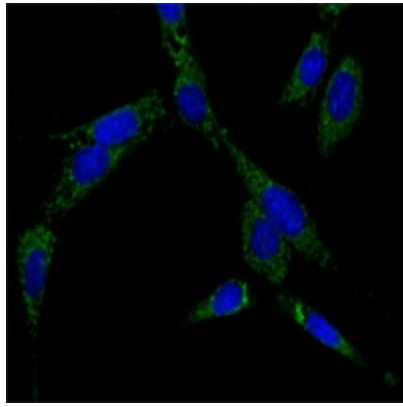
HSP70RY, HSP70-4, Heat shock 70-related protein APG-2

Product images:


Western blot analysis using HSP70 mouse mAb against HeLa (1) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer using HSP70 mouse mAb with DAB staining.



Immunofluorescence analysis of NIH/3T3 cells using HSP70 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.