

Product datasheet for **TA349855S**

HSPA4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Hela, Raji, NIH/3T3, HepG2 and A375 cells IHC: 50-200 Positive control: Human tonsil Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human HSPA4
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
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 15525 Mouse Entrez Gene 3308 Human P34932



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Background:

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.

Synonyms:

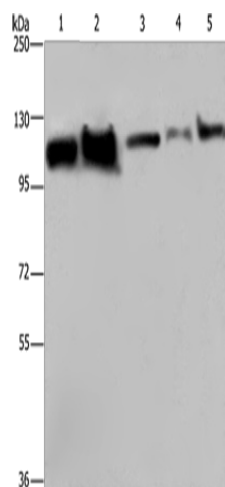
APG-2; HEL-S-5a; HS24; hsp70; hsp70RY; HSPH2; P52; RY

Protein Families:

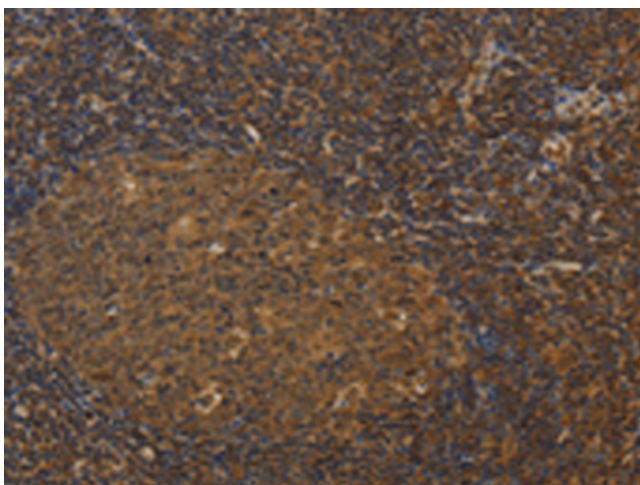
Druggable Genome, ES Cell Differentiation/IPS

Protein Pathways:

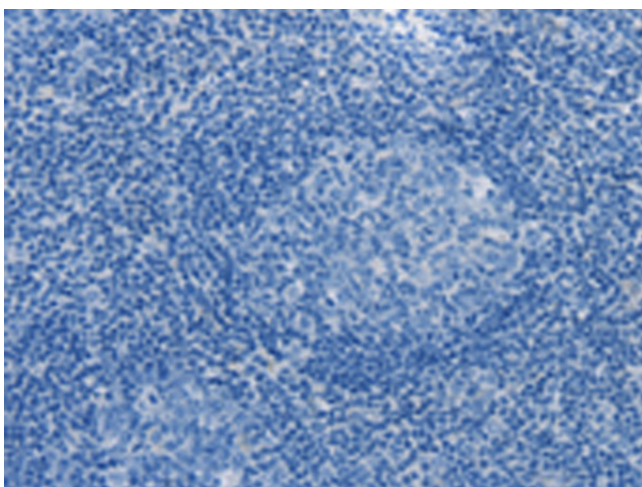
Antigen processing and presentation

Product images:


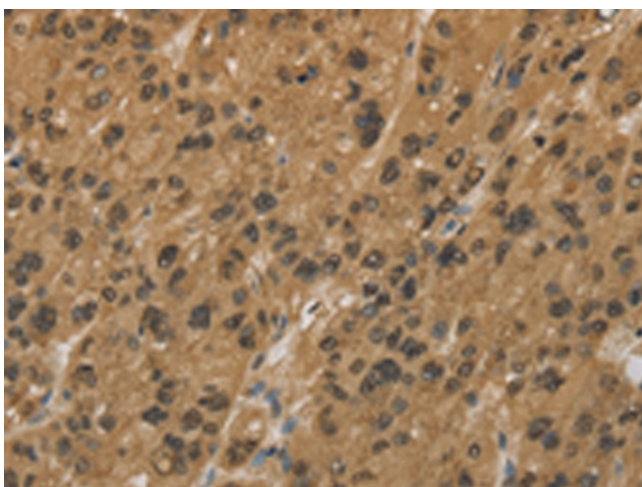
Gel: 6%SDS-PAGE
 Lysate: 40 µg
 Lane 1-5: HeLa cells
 Raji cells
 NIH/3T3 cells
 HepG2 cells
 A375 cells
 Primary antibody: [TA349855] (HSPA4 Antibody)
 at dilution 1/300
 Secondary antibody: Goat anti rabbit IgG at
 1/8000 dilution
 Exposure time: 40 seconds



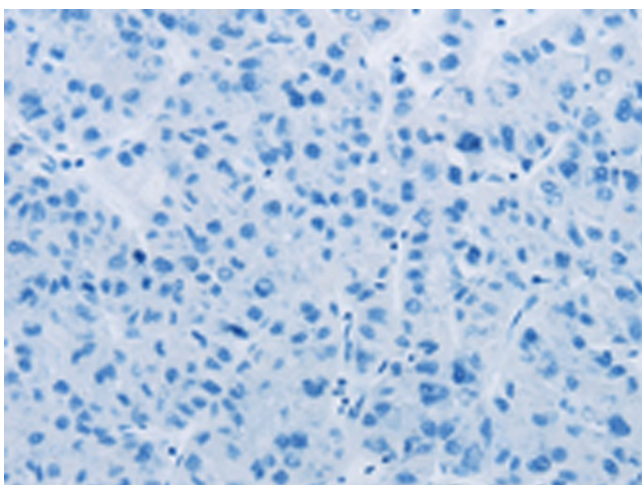
Immunohistochemistry of paraffin-embedded
 Human tonsil tissue using [TA349855] (HSPA4
 Antibody) at dilution 1/25 (Original magnification:
 ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA349855] (HSPA4 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA349855] (HSPA4 Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA349855] (HSPA4 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)