

Product datasheet for **TA308905**

HSP70-1A (HSPA1A) Rabbit Polyclonal Antibody

Product data:

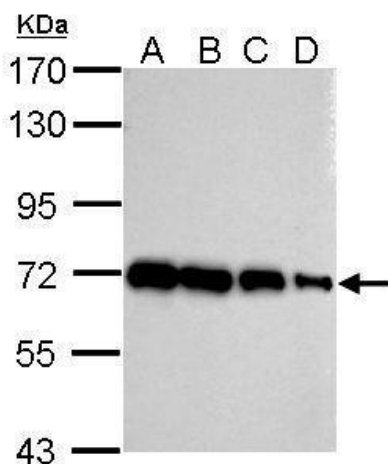
Product Type:	Primary Antibodies
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB 1:5000 - 1:20000, IHC 1:100 - 1:1000, ICC/IF 1:100 - 1:1000
Reactivity:	Human, Mouse (Predicted: Sheep, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 308 and 569 of HSP70 1A
Formulation:	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	70 kDa
Gene Name:	heat shock protein family A (Hsp70) member 1A
Database Link:	NP_005336 Entrez Gene 193740 Mouse Entrez Gene 3303 Human P0DMV8
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. [provided by RefSeq]
Synonyms:	HEL-S-103; HSP70-1; HSP70-1A; HSP70.1; HSP70I; HSP72; HSPA1
Note:	Seq homology of immunogen across species: Sheep (100%), Bovine (100%)



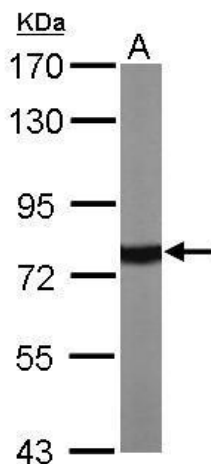
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Protein Pathways: Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Prion diseases, Spliceosome

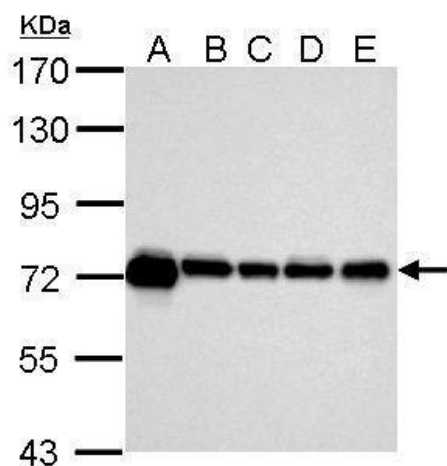
Product images:



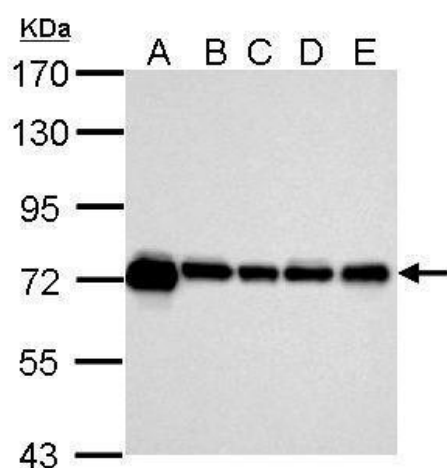
Sample (whole cell lysate). A: 293T 20ug. B: 293T 10ug. C: 293T 5ug. D: 293T 1ug. 7.5% SDS PAGE. TA308905 diluted at 1:10000.



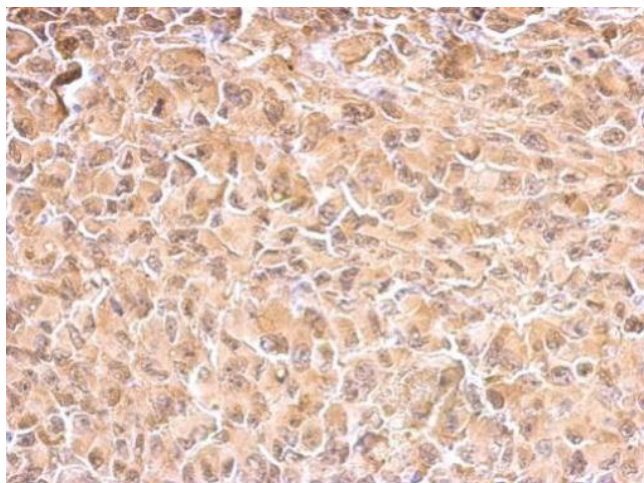
Sample (50 ug of whole cell lysate). A: Mouse brain. 7.5% SDS PAGE. TA308905 diluted at 1:10000.



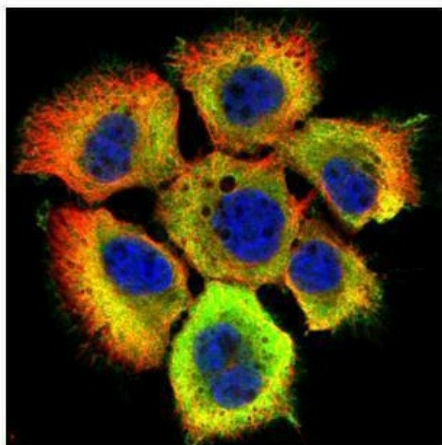
Sample (30 ug of whole cell lysate). A: Jurkat. B: Raji. C: 293T. D: A431. E: HeLa. F: HepG2. G: H1299. H: HCT116. I: MCF-7. J: NT2D1. K: PC-3. L: U87-MG. 7.5% SDS PAGE. TA308905 diluted at 1:10000.



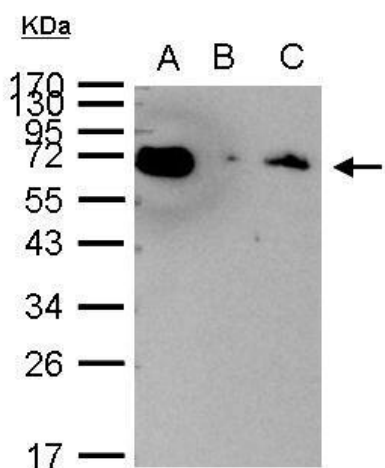
Sample (30 ug of whole cell lysate). A: 293T. B: NIH-3T3. C: Mouse brain. D: PC-12. E: Rat brain. 7.5% SDS PAGE. TA308905 diluted at 1:10000.



HSP70 1A antibody detects HSPA1A protein at cytosol on H1299 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded H1299 xenograft. HSP70 1A antibody (TA308905) dilution: 1:500.



Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed A431, using HSP70 1A (TA308905) antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with anti-alpha tubulin antibody (Red) at 1:2000.



HSP70 1A antibody immunoprecipitates HSP70 1A protein in IP experiments. IP Sample: 1000 ug HeLa whole cell lysate/extract A. 40 ug HeLa whole cell lysate/extract B. Control with 2.5 ug of preimmune rabbit IgG C. Immunoprecipitation of HSP70 1A protein by