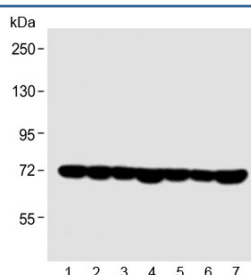


HSP70 Antibody / HSPA1A / HSPA1B (F54222)

Catalog No.	Formulation	Size
F54222-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54222-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P0DMV8
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1:1000
Limitations	This HSP70 antibody is available for research use only.



Western blot testing of 1) human Jurkat, 2) human HeLa, 3) human 293, 4) human MCF7, 5) mouse C2C12, 6) mouse NIH 3T3 and 7) rat C6 lysate with HSP70 antibody. Expected molecular weight ~70 kDa.

Description

In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In case of rotavirus A infection, serves as a post-attachment receptor for the virus to facilitate entry into the cell.

Application Notes

Optimal dilution of the HSP70 antibody should be determined by the researcher.

Immunogen

An amino acid sequence surrounding Y41 of human HSPA1A/B was used as the immunogen for the HSP70 antibody.

Storage

Aliquot the HSP70 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.