

## HSPA1A Polyclonal Antibody

<b>Catalog No.</b>	A0284	<b>Category</b>	Polyclonal Antibodies
<b>Applications</b>	WB, IF	<b>Observed MW</b>	72kDa
<b>Cross-reactivity</b>	Human, Mouse	<b>Calculated MW</b>	70kDa

### Immunogen Information

<b>Immunogen</b>	A synthetic peptide of human HSPA1A
<b>Gene ID</b>	3303
<b>Swiss prot</b>	PODMV8
<b>Synonyms</b>	HEL-S-103;HSP70-1;HSP70-1A;HSP70.1;HSP70I;HSP72;HSPA1

### Product information

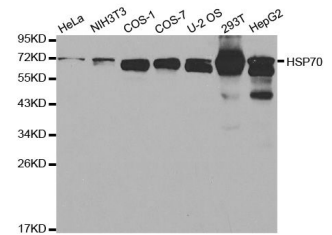
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### 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.

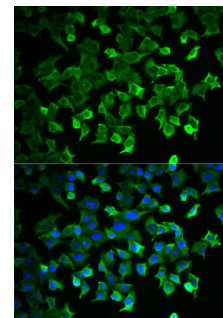
### Recommended Dilutions

WB	1:500 - 1:2000
IF	1:50 - 1:200



Western blot analysis of extracts of various cell lines, using HSPA1A antibody (A0284) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of U2OS cells using HSPA1A antibody (A0284). Blue: DAPI for nuclear staining.