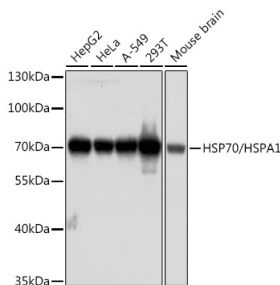


Cat. No:	MAB-80111
Conjugate:	Unconjugated
Size:	100 ug
Clone:	SJ-70
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG1
Immunogen:	A synthetic peptide of human HSP70
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot 1:2000 - 1:5000
Molecular Weight:	70kDa
Purification:	Affinity Purified
Synonyms:	HSPA1A;HEL-S-103;HSP70-1;HSP70-1A;HSP70.1;HSP70I;HSP72;HSPA1

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 ubiquitinproteasome 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.

Form:	Liquid
Buffer:	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of various cell lines, using HSP70 antibody at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit.

Exposure time: 60s.

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