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Anti-Hsp70 Rabbit mAb [93C75]

Catalog No.: A52176

Basic Information

Catalog No. (Cat.No.)	A52176
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Hsp70,HSP70,HSP72,HSP1A,Heat shock protein family A member 1

Product Information

Target	Hsp70
Molecular Weight(Calculated)	70 kDa
Molecular Weight(Observed)	70 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	93C75
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:400-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Heat-shock protein-70
Gene Name	*HSPA1A*
Domain	NA
Background	Hsp70 (Heat shock protein 70) is a highly-conserved HSP70-family molecular chaperone localized in cytoplasm and nucleus. It folds nascent peptides, refolds misfolded proteins and targets defective polypeptides for degradation, defending cells against heat, oxidation and toxic stress. Hsp70 modulates cell-cycle progression and apoptotic signaling to sustain cellular homeostasis, and its transcription is robustly stress-inducible. Overexpressed Hsp70 supports tumor survival, suppresses apoptosis and confers radio-chemoresistance; it is also implicated in protein-aggregation-related neurodegeneration.