

AB-NN060-10

HSP70 Antibody

Pan-specific monoclonal antibody (3A3) for monitoring the expression of human heat shock protein HSP70



KINEXUS

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Target Protein

Name Long:	Heat shock 70 kDa protein 1A
Alias:	HSP70 1, HSP70 2, HSP70.1, HSP72, HSP73, HSPA1, HSPA1A, HSPA1B
UniProt ID:	P0DMV8 - Human
Human Predicted Mass (kDa):	70.052 (641 AA; P0DMV8-1); 63.937 (586 AA; P0DMV8-2)
Observed SDS-PAGE Mass (kDa):	70

Immunogen

Antibody Immunogen Source:	Human recombinant HSP70 overexpressed in E.coli
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	131 IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4 pH7.2, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF IP
Antibody Dilution Recommended:	WB (1:5000), ICC/IF (1:500), IP (2µg); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat Amphibian Chicken Fish <i>S. cerevisiae</i> <i>Drosophila</i> <i>S. flexneri</i> M90T
Antibody Positive Control:	0.2 µg/ml of SMC-164 was sufficient for detection of HSP70 in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~70 kDa protein.
Antibody Specificity:	Very high
Antibody Cross Reactivities:	May detect HSP70, HSC70, p75 and HSP72.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987