

AB-NN054-4

HSC70 (HSP73) Antibody

Pan-specific monoclonal antibody (1F2-H5) for monitoring the expression of human heat shock protein HSC70 (HSP73)



KINEXUS

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Target Protein

Name Long:	Heat shock cognate 71 kDa protein (Hsc70)
Alias:	HSC54, HSC71, HSC73, HSP71, HSP73, HSPA10, HSPA8, LAP1, NIP71
UniProt ID:	P11142 - Human
Human Predicted Mass (kDa):	70.898 (646 AA; P11142-1); 53.518 (493 AA; P11142-2)
Observed SDS-PAGE Mass (kDa):	73

Immunogen

Antibody Immunogen Source:	Human HSC70
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	111 IgG2aKappa
Antibody Purification:	Protein G purified
Amount:	50 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 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 ELISA PLA
Antibody Dilution Recommended:	WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-151 was sufficient for detection of HSC70 in 10 µg of HeLa lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~73 kDa protein.
Antibody Specificity:	Very high
Antibody Cross Reactivities:	Does not cross react with HSP70.

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