

# AB-NN060-2

## HSP70 Antibody

Pan-specific monoclonal antibody (C92F3A-5) for monitoring the expression of human heat shock protein HSP70



# KINEXUS

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### Target Protein

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

### Immunogen

<b>Antibody Immunogen Source:</b>	Human HSP70
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	133 IgG
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	50 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.1% sodium azide
<b>Storage Conditions and Stability:</b>	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

<b>Product Use:</b>	WB   IHC   ICC/IF   ELISA   FCM   FACS   IEM   BI
<b>Antibody Dilution Recommended:</b>	WB (1:1000) IHC (1:10,000), ICC/IF (1:1000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat   Bovine   C.elegans   Dog   Chicken   Drosophila   Carp   Guinea pig   Hamster   Monkey   Pig   Rabbit   Sheep
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-100 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.
<b>Target Detection Immunoblotting:</b>	Detects a ~70 kDa protein.
<b>Antibody Specificity:</b>	High
<b>Antibody Cross Reactivities:</b>	Does not cross-react with HSC70 (HSP73).

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](http://www.kinexusproducts.ca) or contact us at 1-888-546-3987