

# AB-NN060-11

## HSP70/HSC70 Antibody

Pan-specific monoclonal antibody (N27F3-4) for monitoring the expression of human heat shock protein HSP70/HSC70



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Heat shock 70 kDa protein 1A (HSP70/HSC70)
<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>	72

### Immunogen

<b>Antibody Immunogen Source:</b>	Recombinant HSP70/HSC70
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	135 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 pH7.2, 50% glycerol, 0.09% 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   IP   FCM   IEM
<b>Antibody Dilution Recommended:</b>	WB (1:1000), IHC (1:100), ICC/IF (1:50); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat   Bovine   C.elegans   Beluga   Dog   Chicken   Drosophila   Fish   Guinea pig   Hamster   Monkey   Pig   Plant   Rabbit   Sheep   Xenopus
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-104 was sufficient for detection of HSP70/HSC70 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 ~72 (HSP) and ~73 kDa proteins (HSC).
<b>Antibody Specificity:</b>	Medium-High

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

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