

# AB-NN060-3

## HSP70 Antibody

Pan-specific polyclonal antibody 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, Hsp73, 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>	Full length human protein Hsp70
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### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	132 Mix
<b>Antibody Purification:</b>	Rabbit antiserum
<b>Amount:</b>	25 µl
<b>Antibody Concentration:</b>	N/A
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Rabbit antiserum
<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, IP, ELISA, IHC, ICC, IF
<b>Antibody Dilution Recommended:</b>	1:25,000 (ECL) (WB), 1:100 (IP)
<b>Antibody Species Reactivity:</b>	Human, Mouse, Rat, Beluga, Cow, Dog, Fish (carp), Guinea Pig, Hamster, Monkey, Pig, Sheep, Coral, Tomato, Tobacco, Spiny dogfish shark ( <i>Squalus acanthias</i> ), Atlantic Hagfish ( <i>Myxine glutinosa</i> ), Rainbow Trout
<b>Antibody Positive Control:</b>	A 1:10,000 dilution of SPC-103 was sufficient for detection of hsp70 in 20µg of HeLa cell lysate by ECL immunoblot analysis.
<b>Target Detection Immunoblotting:</b>	Detects a ~70kDa protein corresponding to the molecular mass of inducible Hsp70 on SDS-PAGE immunoblots.
<b>Antibody Cross Reactivities:</b>	May cross-react with Hsc70 at lower dilutions.

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