

# AB-NN054-2

## HSC70 (HSP73) Antibody

Pan-specific polyclonal antibody for monitoring the expression of human heat shock protein HSC70 (HSP73)



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### Target Protein

<b>Name Long:</b>	Heat shock cognate 71 kDa protein (Hsc70)
<b>Alias:</b>	Hsc54, Hsc71, Hsc73, Hsp71, Hsp73, HspA10, HspA8, LAP1, NIP71
<b>UniProt ID:</b>	P11142 - Human
<b>Human Predicted Mass (KDa):</b>	70.898 (646 AA; P11142-1); 53.518 (493 AA; P11142-2)
<b>Observed SDS-PAGE Mass (KDa):</b>	73

### Immunogen

<b>Antibody Immunogen Source:</b>	Amino acids 618-637 of human hsc70
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### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	112 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>Antibody Dilution Recommended:</b>	1:1500-2000 (WB), 1:250 (IF)
<b>Antibody Species Reactivity:</b>	Human, Hamster, Rat
<b>Antibody Positive Control:</b>	0.5 µg/ml of SPC-102 was sufficient for detection of Hsc70 20µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a 73 kDa protein corresponding to the molecular mass of hsc70 on SDS-PAGE immunoblots. Does not cross-react with hsp70.
<b>Antibody Cross Reactivities:</b>	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.

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