

# AB-NN268-2

## HSF1 Antibody

Pan-specific monoclonal antibody (4B4) for monitoring the expression of mouse HSF1



# KINEXUS

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	Heat shock factor protein 1
<b>Alias:</b>	HSTF1, Heat shock factor protein 1, Heat shock transcription factor 1, HSF 1
<b>UniProt ID:</b>	P38532 - Mouse
<b>Human Predicted Mass (KDa):</b>	57.260 (529 AA; Q00613-1); 52.881 (489 AA; Q00613-2)
<b>Observed SDS-PAGE Mass (KDa):</b>	85 + 90

### Immunogen

<b>Antibody Immunogen Source:</b>	Purified recombinant mouse HSF1 protein, epitope mapping to amino acids 425-439
-----------------------------------	---

### Production

<b>Antibody Host Species:</b>	Rat
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	114 IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 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   ICC/IF   IP   ELISA   GS
<b>Antibody Dilution Recommended:</b>	WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat   Bovine   Guinea Pig   Hamster   Monkey   Rabbit
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-477 was sufficient for detection of HSF1 in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Rabbit anti-rat IgG: AP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~85 kDa protein (unstressed cell lysates) and ~95 kDa protein (heat shocked cell lysates).

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