

# AB-NN152-3

## HSP27 Antibody

Pan-specific monoclonal antibody (5D12-A12) for monitoring the expression of human heat shock protein HSP27



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Heat shock protein beta-1 (HSP27)
<b>Alias:</b>	28kDa heat shock protein, CMT2F, HSP25, HSP27, HSP28, HSPB1, SRP27
<b>UniProt ID:</b>	P04792 - Human
<b>Human Predicted Mass (kDa):</b>	22.783 (205 AA; P04792-1)
<b>Observed SDS-PAGE Mass (kDa):</b>	27

### Immunogen

<b>Antibody Immunogen Source:</b>	Human HSP27
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	116 IgG2bKappa
<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, 0.09% 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   ELISA
<b>Antibody Dilution Recommended:</b>	WB (1:2000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human
<b>Antibody Positive Control:</b>	0.5 µg/ml of SMC-161 was sufficient for detection of HSP27 in 10 µg of HeLa lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~27 kDa protein. Very limited cross-reactivity to other non-human species.
<b>Antibody Specificity:</b>	Very high
<b>Antibody Cross Reactivities:</b>	Has no cross-reactivity to Alpha B crystallin.

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

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