

# AB-NN061-9

## HSP90 (total) Antibody

Pan-specific monoclonal antibody (4F3.E8) for monitoring the expression of human heat shock protein HSP90



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Heat shock protein HSP 90-alpha
<b>Alias:</b>	HSP84, HSP86, HSP90A, HSP90AA1, HSP90AB1, HSP90B, HSPC1, HSPC2, HSPCAL1, HSPCAL4
<b>UniProt ID:</b>	P07900 - Human
<b>Human Predicted Mass (KDa):</b>	98.161 (854 AA; P07900-2); 84.660 (732 AA; P07900-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	90

### Immunogen

<b>Antibody Immunogen Source:</b>	Recombinant Human HSP90 purified from E.coli
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	136 IgG2a
<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   ELISA
<b>Antibody Dilution Recommended:</b>	WB (1:2000), IHC (1:100); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	0.5 µg/ml of SMC-149 was sufficient for detection of HSP90alpha 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 a ~90 kDa protein. This antibody detects both $\alpha$ and $\beta$ forms of HSP90 equally well.
<b>Antibody Specificity:</b>	Very high

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

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