

# AB-NN059-3

## HSP60 Antibody

Pan-specific monoclonal antibody (LK1) for monitoring the expression of human heat shock protein HSP60



# KINEXUS

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### Target Protein

<b>Name Long:</b>	60 kDa heat shock protein, mitochondrial
<b>Alias:</b>	CPN60, GROEL, HLD4, HSP 60, HSP65, HSPD1, HuCHA60, SPG 13
<b>UniProt ID:</b>	P10809 - Human
<b>Human Predicted Mass (kDa):</b>	61.055 (573 AA; P10809-1); 17.100 (158 AA; P10809-2)
<b>Observed SDS-PAGE Mass (kDa):</b>	60

### Immunogen

<b>Antibody Immunogen Source:</b>	Recombinant human HSP60
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	125 IgG1
<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   IP   ELISA   FCM
<b>Antibody Dilution Recommended:</b>	WB (1:20000), ICC/IF (1:100), IP (1:200); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat   Bovine   Dog   Chicken   Drosophila   Guinea Pig   Hamster   Monkey   Pig   Rabbit   Sheep   Xenopus   Soybean
<b>Antibody Positive Control:</b>	0.05 µg/ml of SMC-110 was sufficient for detection of HSP60 in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using goat anti-mouse IgG as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~60 kDa protein.
<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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