AB-NN059-4

HSP60 Antibody

Pan-specific monoclonal antibody (LK2) for monitoring the expression of human heat shock protein HSP60

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Target Protein

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

Immunogen

Antibody Immunogen Source:	Recombinant human HSP60

Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	123 IgG1
Antibody Purification:	Protein G purified
Amount:	50 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1mM PMSF
Storage Conditions and Stability:	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

Product Use:	WB | IHC | FCM
Antibody Dilution Recommended:	WB (1:4000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human | Mouse | Rat | Bovine | Dog | Chicken | Guinea Pig | Hamster | Monkey | Pig | Rabbit | Spinach | E.coli (GroEl) | H. pylori | S. typhimurium | T. spiralis | Yeast | White fly
Antibody Positive Control:	0.25 µg/ml of SMC-111 was sufficient for detection of HSP60 in10 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using goat anti-mouse IgG as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~60 kDa protein.
Antibody Specificity:	Very high