

## HSP60 monoclonal antibody (LK-1)

ADI-SPA-806

### Product Number/Sizes

ADI-SPA-806-D	50 µg
ADI-SPA-806-F	200 µg
ADI-SPA-806-J	1 mg

### Product Specifications

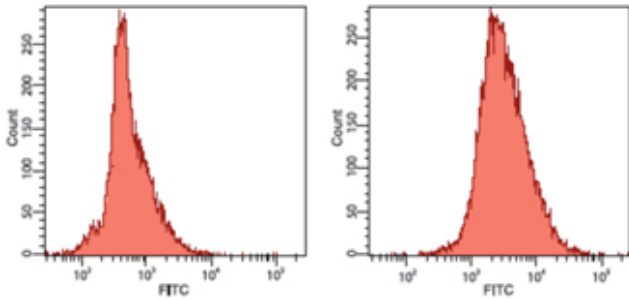
ALTERNATIVE NAME:	Chaperonin 60, CPN60, HspD1, heat shock protein 60
CLONE:	LK-1
HOST:	Mouse
ISOTYPE:	IgG1
IMMUNOGEN:	Recombinant human Hsp60.
UNIPROT ID:	P10809
GENBANK ID:	M34664
SOURCE:	Purified from ascites.
SPECIES REACTIVITY:	Human, Mouse, Rat Bovine, Chicken, Dog, Drosophila, Guinea pig, Hamster, Monkey, Porcine, Rabbit, Sheep, Xenopus
APPLICATIONS:	ELISA, Flow Cytometry, IF, IHC (PS), IP, WB
RECOMMENDED DILUTIONS/CONDITIONS:	Flow Cytometry (1:100) Immunoprecipitation (1:80) Western Blot (1:1,000, colorimetric) Suggested dilutions/conditions may not be available for all applications. Optimal conditions must be determined individually for each application.
APPLICATION NOTES:	Detects a band of ~60kDa by Western blot.
PURITY DETAIL:	Protein G affinity purified.
FORMULATION:	Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide.
HANDLING:	Avoid freeze/thaw cycles.
SHIPPING:	Shipped on Blue Ice
LONG TERM STORAGE:	-20°C
SCIENTIFIC BACKGROUND:	Hsp60 is a member of the chaperonin family of heat shock proteins, with homologs functioning in the cytosol and mitochondria to fold nascent and aggregated proteins. Hsp60 is the eukaryotic homolog of the <i>E. coli</i> GroEL protein, and forms a multimeric complex in the mitochondria with Hsp10 (Cpn10) to form a large central cavity in which ATP-dependent protein folding takes place. TRiC/CCT, a eukaryotic relative of Hsp60, is expressed in the cytosol and participates in the folding of actin and tubulin substrates, but lacks any association with an Hsp10-like co-factor.
REGULATORY STATUS:	RUO - Research Use Only

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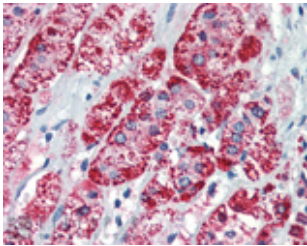
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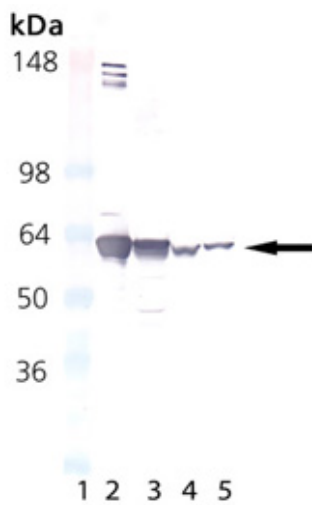
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Flow cytometry analysis of human hepatoma QGY cells analyzed by flow cytometry using isotype control antibody (left) or HSP60 antibody (LK-1) (right).



Immunohistochemistry analysis of human adrenal tissue stained with HSP60, mAb (LK-1) at 10µg/ml.



Western Blot Analysis of Hsp60 mAb (LK-1) (Prod. No. ADI-SPA-806): Lane 1: MW Marker, Lane 2: Hsp60 (human) (recombinant) Protein (Prod. No. ADI-NSP-540), Lane 3: HeLa Cell Lysate Heat Shocked (Prod. No. ADI-LYC-HL101), Lane 4: PC-12 Cell Lysate Heat Shocked (Prod. No. ADI-LYC-PC101), Lane 5: 3T3 Cell Lysate Heat Shocked (Prod. No. ADI-LYC-3T101)

## Product Literature References

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