

HSP60 Mouse monoclonal antibody

Catalog: MB9002

Host: Mouse

Reactivity: Human, Mouse, Rat

BackGround:

HSPs (also known as molecular chaperones) fall into six general families: HSP 90, HSP 70, HSP 60, the low molecular weight HSPs, the immunophilins, and the HSP 110 family. The constitutively expressed mitochondrial protein HSP 60 shares the ability to recognize and stabilize proteins during folding, assembly and disassembly with other HSP family members. The mitochondrial and cytosolic localization of HSP 60, combined with its binding and catalysis of folding of newly synthesized proteins destined for the mitochondrial matrix, classify this protein as a molecular chaperone. An additional role of HSP 60 is to act as a cell surface marker for γ/δ T cell recognition.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 60 kDa

Swiss-Prot:

P10809

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:2000 IHC/ICC: 1:200

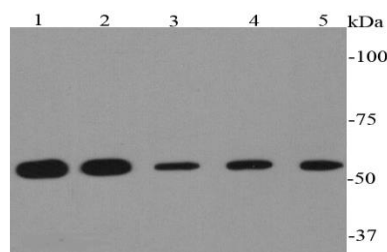
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of HSP60 and does not cross-react with related proteins.

DATA:



Western blot (WB) analysis of HSP60 Mouse mAb at 1:2000 dilution

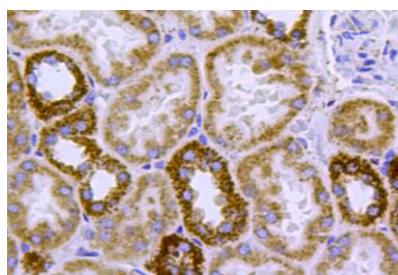
Lane1:HeLa whole cell lysate

Lane2:HepG2 whole cell lysate

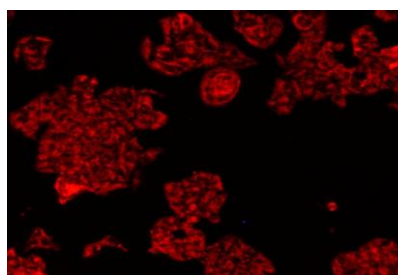
Lane3:Jurkat whole cell lysate

Lane4:PC12 whole cell lysate

Lane5:F9 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-HSP60 antibody. Counter stained with hematoxylin.



ICC staining HSP60 in HeLa cells (red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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