HSP60 Antibody

E8M1007-4

Catalog Number: E8M1007-4

Amount: 100ul,0.48mg/ml

Description: The 60 kDa heat shock protein (HSP60) is a highly conserved protein that acts as a chaperone involved in correct folding of newly synthesized proteins. Mainly expressed in mitochondria, HPS60 has also been found in the cytosol of normal heart and muscle cells. The HSP60 proteins are abundant in the cell and are highly conserved between bacteria and human, with 50%-60% sequence homology. Mammalian HSP60 is expressed in the mitochondria at a low level and rapidly up-regulated under stresses, such as heat shock, and on some occasions with changes in intracellular location including expression on the cell surface.

Clone No: 1-80

Reactivity: Human,Mouse,Rat

Positive control: Hela

Cellular Localization: Mitochondria

SwissPro: P10809/P63038

Project ID: PK065

Molecular Wt: 61kDa

Form of Antibody: Mouse monoclonal IgG1 in 1*TBS (pH7.4), 0.5%BSA, 40%Glycerol.

Storage/Stability: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Specificity/Sensitivity: This antibody is produced by immunizing mouse with a synthetic peptide (KLH-coupled) corresponding to near C-terminal residues of HSP60.

Applications: WB: 1:5000

References:

1. Singh B., Patel H.V., Ridley R.G., Freeman K.B., Gupta R.S.; "Mitochondrial import of the human chaperonin (HSP60) protein."; Biochem. Biophys. Res. Commun. 169:391-396(1990).
2. Tanaka Y., Kanai F., Kawakami T., Tateishi K., Ijichi H., Kawabe T., Arakawa Y., Kawakami T., Nishimura T., Shirakata Y., Koike K., Omata M.; "Interaction of the hepatitis B virus X protein (HBx) with heat shock protein 60 enhances HBx-mediated apoptosis."; Biochem. Biophys. Res. Commun. 318:461-469(2004).

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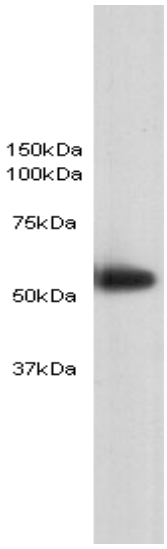

Fig: Western blot analysis on Hela using anti-HSP60 monoclonal antibody

Fig: Western blot analysis on K562-AO2 cell lysates using anti-lass2 monoclonal antibody.