



## HSP60 Antibody

E81007-3

- Catalog Number:** E81007-3
- Concentration:** 100ul, 0.5mg/ml
- Project ID:** PK071
- 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, HSP60 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.
- Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
- Storage Buffer:** 1\*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
- Product Type:** Rabbit Polyclonal IgG, primary antibodies
- Form:** Liquid
- Purity:** Immunogen affinity purified
- Specificity/Source:** This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to near 320aa residues of HSP60.
- Reactivity:** Human, Mouse, Rat
- Applications:** WB: 1:5,000-10,000
- Molecular Weight:** 61 kDa
- Swiss-Prot No.:** P10809(human) P63038(mouse)
- Cellular Localization:** Mitochondria
- Positive control:** HeLa
- 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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