

## HSP-60 Antibody

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 250700

**Unit:** 0.1 mg

**Description:**

Heat shock protein 60 (HSP-60) is implicated in mitochondrial protein import and macromolecular assembly. HSP-60 facilitates the correct folding of imported proteins. HSP-60 also prevents misfolding and promotes refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix. Defects in HSP-60 are a cause of spastic paraplegia autosomal dominant type 13 (SPG13), a degenerative spinal cord disorder. Defects in HSP-60 are the cause of leukodystrophy hypomyelinating type 4 (HLD4 or MitCHAP-60 disease).

**Isotype:** Rabbit Ig

**Applications:** E, IHC, WB

**Species Reactivity:** H, M, R

**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** 60 kDa heat shock protein, mitochondrial; Heat shock protein 60; HSP-60; Hsp60; 60 kDa chaperonin; Chaperonin 60; CPN60; Mitochondrial matrix protein P1; P60 lymphocyte protein; HuCHA60; HSPD1; HSP60

**Accession No.:** P10809

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HSP-60.

**Application Notes:** E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

**Product Citations:** Chowdhury D et al. 2013. Journal of Translational Medicine. doi: 10.1186/147958876-11-130. PMID# 23706090

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