



## HSPD1 Polyclonal Antibody

E90969

- Catalog Number:** E90969
- Amount:** 100ul
- Background:** In both prokaryotic and eukaryotic cells the misfolding and aggregation of proteins during biogenesis and under conditions of cellular stress are prevented by molecular chaperones (1-3). HSP60 has primarily been known as a mitochondrial protein that is important for folding key proteins after import into the mitochondria (4). It is now clear that a significant amount of HSP60 is also present in the cytosol of many cells and that it is induced by stress, inflammatory and immune responses, autoantibodies correlated with Alzheimer's, coronary artery diseases, MS, and diabetes (5-8).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** HSPD1;CPN60;GROEL;HLD4;HSP60;HSP65;HuCHA60;SPG13 ;
- Immunogen:** Recombinant protein of human HSPD1
- Purification:** Affinity purification
- Reactivity:** H M
- Applications:** WB IHC
- Molecular Weight:** 61kDa
- Swiss-Prot No. :** P10809
- Gene ID:** 3329
- References:** 1. Hartl, F.U. (1996) Nature 381, 571-579. 2. Bukau, B. and Horwich, A.L. (1998) Cell 92, 351-366. 3. Hartl, F.U. and Hayer-Hartl, M. (2002) Science 295, 1852-1858. 4. Jindal, S. et al. (1989) Mol. Cell Biol. 9, 2279-2283. 5. Itoh, H. et al. (2002) Eur. J. Biochem. 269, 5931-5938. 6. Gupta, S. and Knowlton, A.A. J. Cell Mol. Med. 9, 51-58. 7. Deocaris, C.C. et al. (2006) Cell Stress Chaperones 11, 116-128. 8. Lai, H.C. et al. (2007) Am. J. Physiol. Endocrinol. Metab. 292, E292-E297.

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