

HSPD1

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:61kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human HSPD1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bhj

Synonym:

HSPD1;CPN60;GROEL;HLD4;HSP60;HSP65;HuCHA60;SPG13 ;

Catalog #:A0969

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:3329

Isotype:IgG

Swiss Prot:P10809

Purity:Affinity purification

For research use only.

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).

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