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Anti-HSPD1 / HSP60 Antibody (aa300-570)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17397

Specification

Anti-HSPD1 / HSP60 Antibody (aa300-570) - Product Information

Application	**WB, IHC-P**
Primary Accession	P10809
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**61055**

Anti-HSPD1 / HSP60 Antibody (aa300-570) - Additional Information

Gene ID 3329

Alias Symbol	**HSPD1**

Other Names
HSPD1, 60 kDa chaperonin, CPN60, Heat shock protein 65, Heat shock protein 60, HSP-60, HSP60, HuCHA60, HLD4, HSP65, p60 lymphocyte protein, SPG13, Chaperonin 60, GROEL

Target/Specificity
Human HSPD1 / HSP60

Reconstitution & Storage
PBS, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions
Anti-HSPD1 / HSP60 Antibody (aa300-570) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-HSPD1 / HSP60 Antibody (aa300-570) - Protein Information

Name HSPD1

Synonyms HSP60

Function
Chaperonin implicated in mitochondrial protein import and macromolecular assembly. Together with Hsp10, facilitates the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix (PubMed:1346131, PubMed:11422376). The functional units of these chaperonins consist of heptameric rings of the large subunit Hsp60, which function as a back- to-back double ring. In a cyclic reaction, Hsp60 ring complexes bind one

unfolded substrate protein per ring, followed by the binding of ATP and association with 2 heptameric rings of the co-chaperonin Hsp10. This leads to sequestration of the substrate protein in the inner cavity of Hsp60 where, for a certain period of time, it can fold undisturbed by other cell components. Synchronous hydrolysis of ATP in all Hsp60 subunits results in the dissociation of the chaperonin rings and the release of ADP and the folded substrate protein (Probable).

Cellular Location
Mitochondrion matrix.

Anti-HSPD1 / HSP60 Antibody (aa300-570) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HSPD1 / HSP60 Antibody (aa300-570) - Images