HSPD1 Recombinant Antibody

RACO0230

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Homo sapiens (Human)

Isotype:

Rabbit IgG

Applications:

ELISA, WB, IHC, IP

Recommended dilutions:

WB:1:500-1:5000, IHC:1:50-1:200, IP:1:200-1:1000

Protein Background:

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 . 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.

Gene ID:

HSPD1

Uniprot

P10809

Synonyms:

60 kDa heat shock protein, mitochondrial (EC 3.6.4.9) (60 kDa chaperonin) (Chaperonin 60) (CPN60) (Heat shock protein 60) (HSP-60) (Hsp60) (HuCHA60) (Mitochondrial matrix protein P1) (P60 lymphocyte protein), HSPD1, HSP60

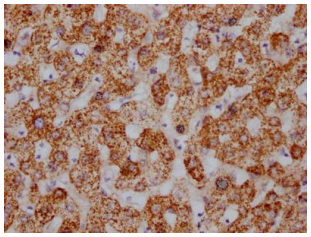
Immunogen:

A synthesized peptide derived from human Hsp60.

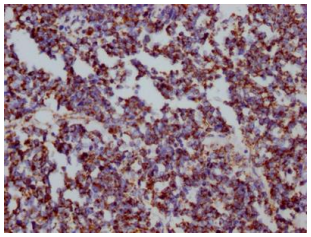
Storage:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

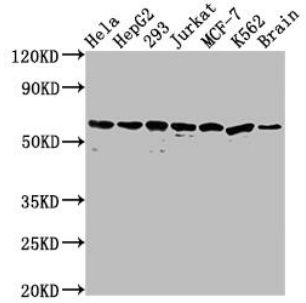
Product Images



IHC image of RACO0230 diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



IHC image of RACO0230 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



Western Blot
Positive WB detected in(Hela whole cell lysate) HepG2 whole cell lysate) 293 whole cell lysate) Jurkat whole cell lysate) MCF-7 whole cell lysate) K562 whole cell lysate) Mouse brain tissue
All lanes: HSPD1 antibody at 1:2000
Secondary
Goat polyclonal to rabbit IgG at 1:50000 dilution
Predicted band size: 62, 18 kDa
Observed band size: 60 kDa

