HSP90AA1/HSP90AB1 Recombinant Antibody

RACO0192

Product Information

Size:

50ul

Reactivity:

Human, Rat

Source:

Human

Isotype:

Rabbit IgG

Applications:

ELISA, WB, FC, IP

Recommended dilutions:

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

Protein Background:

Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity which is essential for its chaperone activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function .

Gene ID:

HSP90AA1/HSP90AB1

Uniprot

P07900/P08238

Synonyms:

Heat shock protein HSP 90-alpha, Heat shock 86 kDa, HSP 86, HSP86, Lipopolysaccharide-associated protein 2, LAP-2, LPS-associated protein 2, Renal carcinoma antigen NY-REN-38, HSP90AA1, HSP90A, HSPC1, HSPCA, Heat shock protein HSP 90-beta, HSP 90, Heat shock 84 kDa, HSP 84, HSP84, HSP90AB1, HSP90B, HSPC2, HSPCB

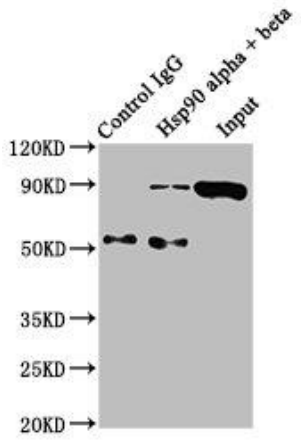
Immunogen:

A synthesized peptide derived from human HSP90AA1/HSP90AB1.

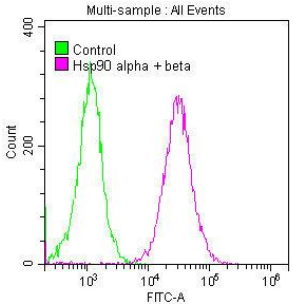
Storage:

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

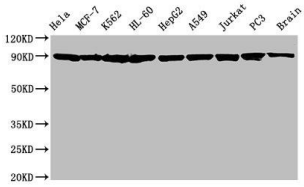
Product Images



Immunoprecipitating Hsp90 alpha + beta in Hela whole cell lysate) Lane 1: Rabbit control IgG instead of RACO0192 in Hela whole cell lysate)
For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
Lane 2: RACO0192 (3µg) + Hela whole cell lysate) (500µg)
Lane 3: Hela whole cell lysate) (20µg)



Overlay histogram showing Jurkat cells stained with RACO0192 (red line) at for 4h). The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4°C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



Western Blot
Positive WB detected in(Hela whole cell lysate) MCF-7 whole cell lysate) K562 whole cell lysate) HL-60 whole cell lysate) HepG2 whole cell lysate) A549 whole cell lysate) Jurkat whole cell lysate) PC3 whole cell lysate) Rat brain tissue
All lanes: Hsp90 alpha + beta antibody at 1.25µg/ml
Secondary
Goat polyclonal to rabbit IgG at 1:50000 dilution
Predicted band size: 90 KDa
Observed band size: 90 KDa

