

TRAP1 Antibody



PACO31720

Product Information

Size:

50ug

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IF, IP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000,
IF:1:50-1:200, IP:1:200-1:2000

Protein Background:

Chaperone that expresses an ATPase activity. Involved in maintaining mitochondrial function and polarization, downstream of PINK1 and mitochondrial complex I. Is a negative regulator of mitochondrial respiration able to modulate the balance between oxidative phosphorylation and aerobic glycolysis. The impact of TRAP1 on mitochondrial respiration is probably mediated by modulation of mitochondrial SRC and inhibition of SDHA.

Gene ID:

TRAP1

Uniprot

Q12931

Synonyms:

Heat shock protein 75 kDa, mitochondrial (HSP 75) (TNFR-associated protein 1) (Tumor necrosis factor type 1 receptor-associated protein) (TRAP-1), TRAP1, HSP75

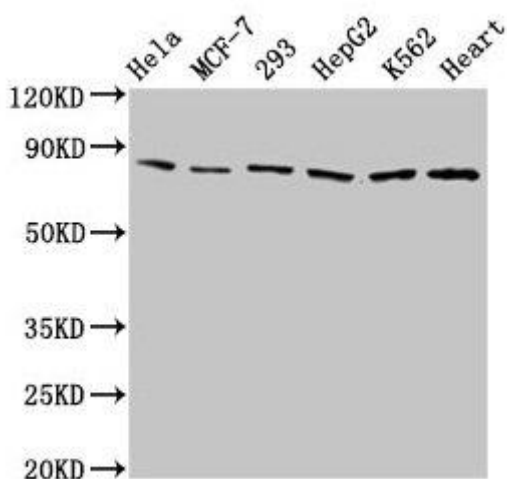
Immunogen:

Recombinant Human Heat shock protein 75 kDa, mitochondrial protein (60-308AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

Product Images



Western Blot

Positive WB detected in: HeLa whole cell lysate, MCF-7 whole cell lysate, 293 whole cell lysate, HepG2 whole cell lysate, K562 whole cell lysate, Mouse heart tissue

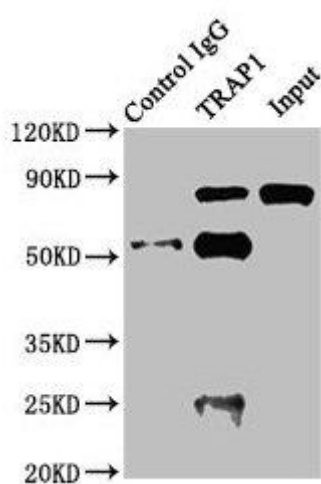
All lanes: TRAP1 antibody at 2µg/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 81, 75 kDa

Observed band size: 81 kDa

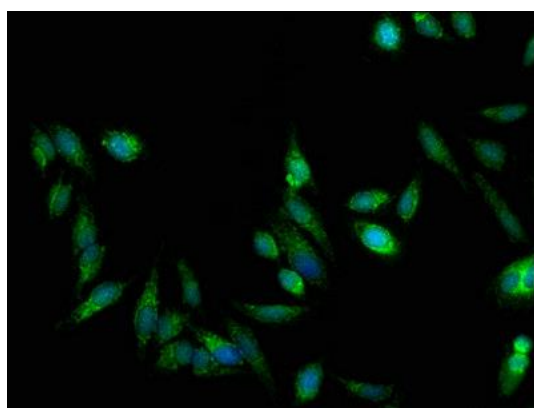


Immunoprecipitating TRAP1 in Jurkat whole cell lysate

Lane 1: Rabbit control IgG instead of PACO31720 in Jurkat whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: PACO31720 (8µg) + Jurkat whole cell lysate (500µg)

Lane 3: Jurkat whole cell lysate (10µg)



Immunofluorescent analysis of HeLa cells using PACO31720 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).