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Datasheet for ABIN7154903
anti-TRAP1 antibody (AA 60-308)

3 Images

Overview

Quantity:	100 µg
Target:	TRAP1
Binding Specificity:	AA 60-308
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Heat shock protein 75 kDa, mitochondrial protein (60-308AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	TRAP1
Alternative Name:	TRAP1 (TRAP1 Products)
Background:	Background: Chaperone that expresses an ATPase activity. Involved in maintaining mitochondrial function and polarization, downstream of PINK1 and mitochondrial complex I. Is

Target Details

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. Aliases: Heat shock protein 75 kDa antibody, Heat shock protein 75 kDa, mitochondrial antibody, HSP 75 antibody, HSP75 antibody, HSP90L antibody, mitochondrial antibody, TNF receptor associated protein 1 antibody, TNFR-associated protein 1 antibody, TRAP-1 antibody, Trap1 antibody, TRAP1_HUMAN antibody, Tumor necrosis factor type 1 receptor-associated protein antibody

UniProt: [Q12931](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IF:1:50-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

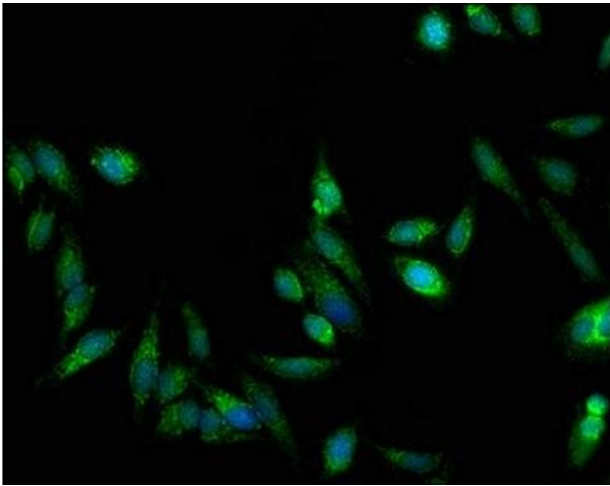
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

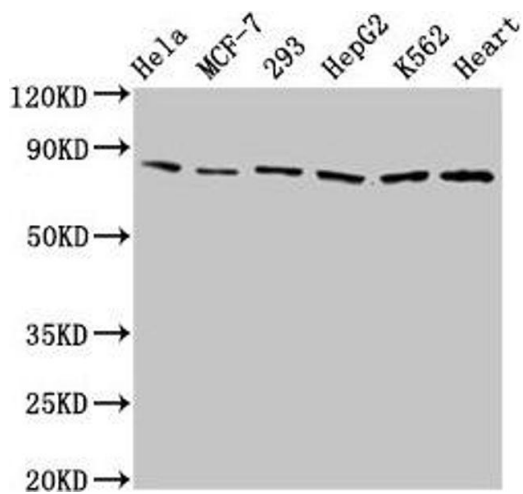
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



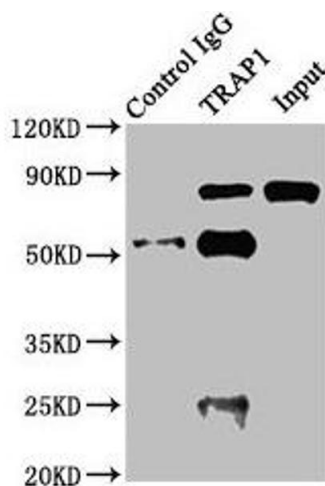
Immunofluorescence

Image 1. Immunofluorescent analysis of HeLa cells using ABIN7154903 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. 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 2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 81, 75 kDa Observed band size: 81 kDa



Western Blotting

Image 3. Immunoprecipitating TRAP1 in Jurkat whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7154903 in Jurkat whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7154903 (8 µg) + Jurkat whole cell lysate (500 µg) Lane 3: Jurkat whole cell lysate (10 µg)