

Anti-TRAP1 Rabbit Monoclonal Antibody
Catalog # ABO15821**Specification**

Anti-TRAP1 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC
Primary Accession	Q12931
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-TRAP1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Anti-TRAP1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 10131

Other Names

Heat shock protein 75 kDa, mitochondrial, HSP 75, Heat shock protein family C member 5, TNFR-associated protein 1, Tumor necrosis factor type 1 receptor-associated protein, TRAP-1, TRAP1, HSP75, HSPC5 {ECO:0000303|PubMed:18663603}

Calculated MW

80 kDa KDa

Application Details

WB 1:1000-1:5000
IHC 1:50-1:200
ICC/IF 1:100-1:500

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human TRAP1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-TRAP1 Rabbit Monoclonal Antibody - Protein Information

Name TRAP1

Synonyms HSP75, HSPC5 {ECO:0000303|PubMed:1866360

Function

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.

Cellular Location

Mitochondrion. Mitochondrion inner membrane Mitochondrion matrix

Tissue Location

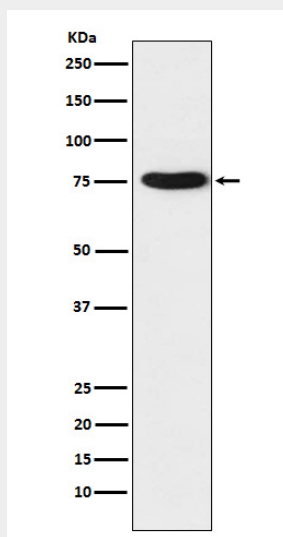
Found in skeletal muscle, liver, heart, brain, kidney, pancreas, lung, placenta and bladder. Expression is highly reduced in bladder cancer and renal cell carcinoma specimens compared to healthy tissues, but it is increased in other type of tumors

Anti-TRAP1 Rabbit Monoclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-TRAP1 Rabbit Monoclonal Antibody - Images



Western blot analysis of TRAP1 expression in K562 cell lysate.