

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

**Specification**

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**Anti-TRAP1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC
Primary Accession	<a href="#">Q12931</a>
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<br>IHC 1:50-1:200<br>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**

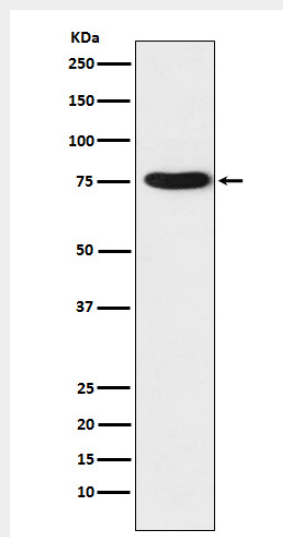
Found in skeletal muscle, liver, heart, brain, kidney, pancreas, lung, placenta and bladder. Expression is highly reduced in bladder cancer and renal cell carcinoma specimens compared to healthy tissues, but it is increased in other type of tumors

**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.