

**Anti-Hsp75 TRAP1 Rabbit Monoclonal Antibody**  
Catalog # ABO13717

**Specification**

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**Anti-Hsp75 TRAP1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IP
Primary Accession	<a href="#">O12931</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Hsp75 TRAP1 Rabbit Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Human.

**Anti-Hsp75 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**

80110 MW KDa

**Application Details**

WB 1:500-1:2000<br>IP 1:50

**Subcellular Localization**

Mitochondrion. Mitochondrion inner membrane. Mitochondrion matrix.

**Tissue Specificity**

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..

**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 Hsp75

**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-Hsp75 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

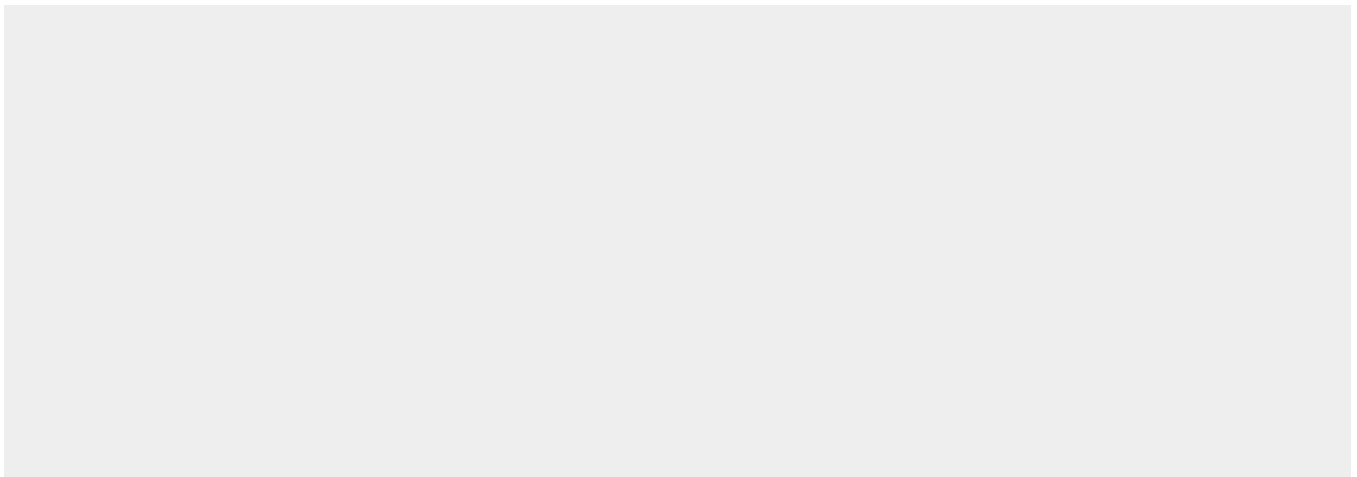
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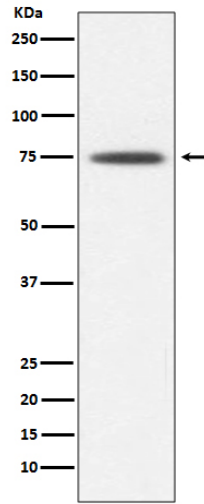
## Anti-Hsp75 TRAP1 Rabbit Monoclonal Antibody - Protocols

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-Hsp75 TRAP1 Rabbit Monoclonal Antibody - Images





Western blot analysis of Hsp75 expression in K562 cell lysate.