

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

Anti-Hsp75 TRAP1 Rabbit Monoclonal Antibody - Product Information

Application	WB, IP
Primary Accession	Q12931
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
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

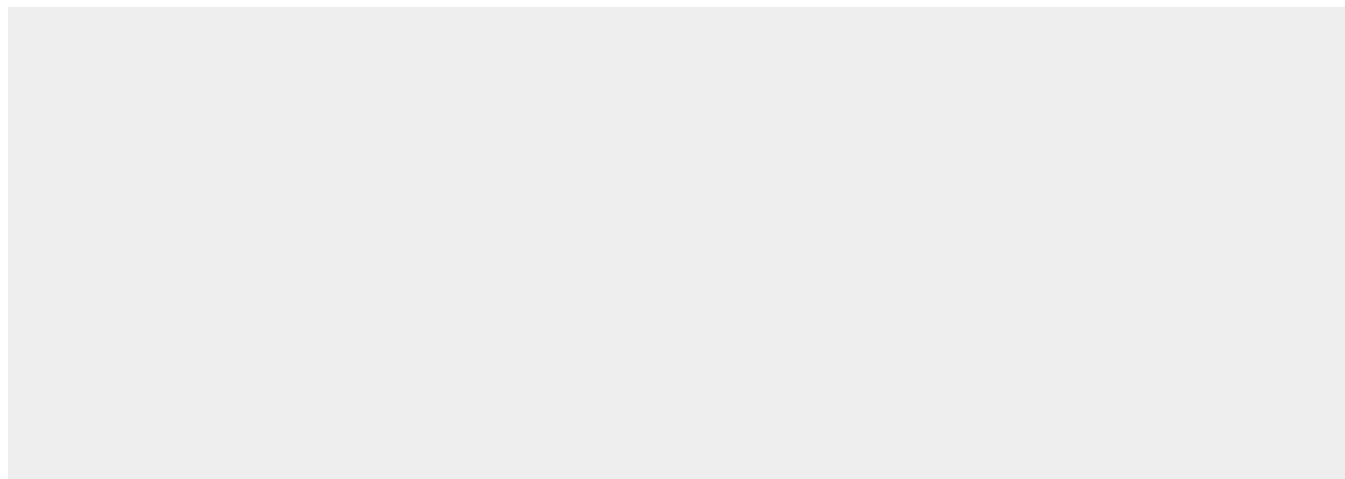
Tissue Location

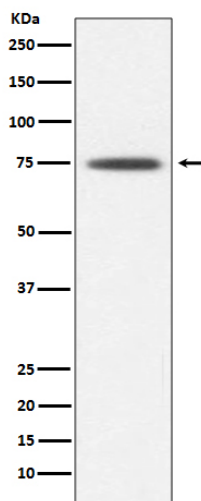
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Anti-Hsp75 TRAP1 Rabbit Monoclonal Antibody - Protocols

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.