10320 Camino Santa Fe, Suite G
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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 higly 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

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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
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-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 Cytomety
- Cell Culture

Anti-Hsp75 TRAP1 Rabbit Monoclonal Antibody - Images

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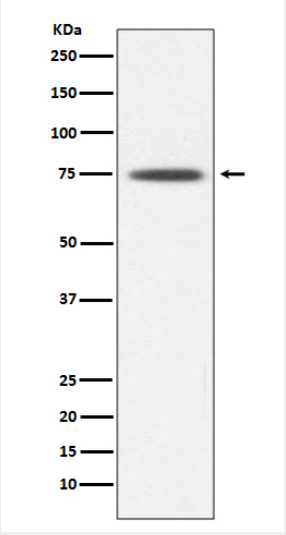

Western blot analysis of Hsp75 expression in K562 cell lysate.