

# Anti-Hsp75 TRAP1 Rabbit Monoclonal Antibody

Catalog # ABO13717

## Product Information

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| <b>Application</b>       | WB, IP                                                                                                           |
| <b>Primary Accession</b> | <a href="#">Q12931</a>                                                                                           |
| <b>Host</b>              | Rabbit                                                                                                           |
| <b>Isotype</b>           | Rabbit IgG                                                                                                       |
| <b>Reactivity</b>        | Human                                                                                                            |
| <b>Clonality</b>         | Monoclonal                                                                                                       |
| <b>Format</b>            | Liquid                                                                                                           |
| <b>Description</b>       | Anti-Hsp75 TRAP1 Rabbit Monoclonal Antibody . Tested in WB, IP applications.<br>This antibody reacts with Human. |

## Additional Information

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| <b>Gene ID</b>                  | 10131                                                                                                                                                                                                                                                     |
| <b>Other Names</b>              | 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}                    |
| <b>Calculated MW</b>            | 80110                                                                                                                                                                                                                                                     |
| <b>Application Details</b>      | WB 1:500-1:2000<br>IP 1:50                                                                                                                                                                                                                                |
| <b>Subcellular Localization</b> | Mitochondrion. Mitochondrion inner membrane. Mitochondrion matrix.                                                                                                                                                                                        |
| <b>Tissue Specificity</b>       | 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.. |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                                                                 |
| <b>Contents</b>                 | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                                       |
| <b>Clone Names</b>              | Clone: IBD-20                                                                                                                                                                                                                                             |
| <b>Immunogen</b>                | A synthesized peptide derived from human Hsp75                                                                                                                                                                                                            |
| <b>Purification</b>             | Affinity-chromatography                                                                                                                                                                                                                                   |
| <b>Storage</b>                  | 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.                                                                                                                |

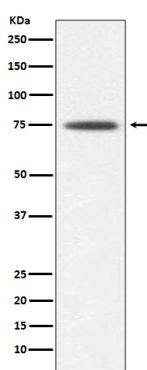
## Protein Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | TRAP1                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>          | HSP75, HSPC5 {ECO:0000303   PubMed:1866360                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Mitochondrion. Mitochondrion inner membrane Mitochondrion matrix                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tissue Location</b>   | 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                                                                                                                                                                                     |

## Images

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Western blot analysis of Hsp75 expression in K562 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.