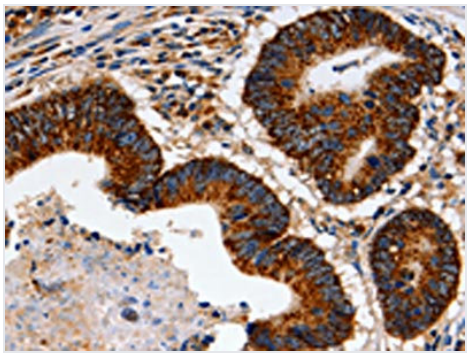
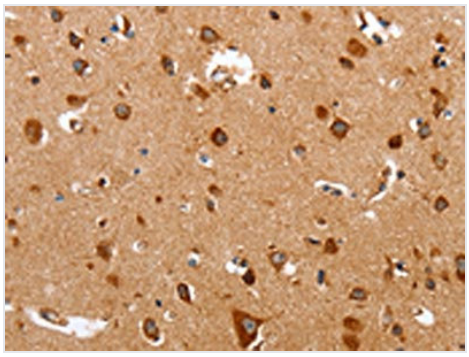
# TRAP1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

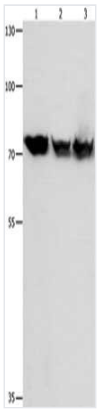
| | |
|---|---|
| **Product Name** | TRAP1, Polyclonal Antibody |
| **Full Product Name** | TRAP1 Antibody |
| **Product Gene Name** | anti-TRAP1 antibody |
| **Product Synonym Names** | TNF receptor-associated protein 1 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Form/Format** | Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol |
| **Purity/Purification** | Antigen Affinity Purification |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Molecular Weight** | 704 |
| **OMIM** | 606219 |
| **3D Structure** | ModBase 3D Structure for Q12931 |
| **Immunogen** | Fusion protein of human TRAP1 |
| **Immunogen Species** | Human |
| **Conjugate** | Non-conjugated |
| **Product Categories/Family for anti-TRAP1 antibody** | Signal Transduction |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-TRAP1 antibody** | ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC) |
| **Application Notes for anti-TRAP1 antibody** | ELISA: 1:2000-1:10000<br>WB: 1:1000-1:5000<br>IHC: 1:100-1:200 |
| **Related Product Information for anti-TRAP1 antibody** | MBS7123818 is an antibody targeting TRAP1. Also known as TRAP1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-TRAP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |



**Immunohistochemistry (IHC)-Paraffin of anti-TRAP1 antibody**
The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using MBS7123818(TRAP1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: ×200)



**Immunohistochemistry (IHC)-Paraffin of anti-TRAP1 antibody**
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7123818(TRAP1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: ×200)




**SDS-Page of anti-TRAP1 antibody**
Gel: 10%SDS-PAGE, Lysate: 30 ug, Lane 1-3: K562 cells, Jurkat cells, 293T cells, Primary antibody: MBS7123818(TRAP1 Antibody) at dilution 1/1050, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 1 minute

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRAP1. It may not necessarily be applicable to this product.

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|---|---|
| **NCBI GI #** | 67477458 |
| **NCBI GeneID** | 10131 |
| **NCBI Accession #** | Q12931.3 |
| **UniProt Primary Accession #** | Q12931 |
| **UniProt Secondary Accession #** | O43642; O75235; Q9UHL5; B4DR68; D3DUC8; F5H897 |
| **UniProt Related Accession #** | Q12931 |
| **NCBI Official Full Name** | Heat shock protein 75 kDa, mitochondrial |
| **NCBI Official Synonym Full Names** | TNF receptor-associated protein 1 |
| **NCBI Official Symbol** | TRAP1 |
| **NCBI Official Synonym Symbols** | HSP75; HSP 75; HSP90L; TRAP-1 |
| **UniProt Protein Name** | Heat shock protein 75 kDa, mitochondrial |
| **UniProt Synonym Protein Names** | TNFR-associated protein 1; Tumor necrosis factor type 1 receptor-associated protein; TRAP-1 |
| **Protein Family** | Heat shock protein |
| **UniProt Gene Name** | TRAP1 |

| | |
|---|---|
| **UniProt Synonym Gene Names** | HSP75; HSP 75; TRAP-1 |
| **UniProt Entry Name** | TRAP1_HUMAN |
| **NCBI Protein Information** | heat shock protein 75 kDa, mitochondrial; TNFR-associated protein 1; tumor necrosis factor type 1 receptor-associated protein |
| **NCBI Summary for TRAP1** | This gene encodes a mitochondrial chaperone protein that is member of the heat shock protein 90 (HSP90) family. The encoded protein has ATPase activity and interacts with tumor necrosis factor type I. This protein may function in regulating cellular stress responses. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013] |
| **UniProt Comments for TRAP1** | HSP75: Chaperone that expresses an ATPase activity. Belongs to the heat shock protein 90 family.<br><br>Protein type: Chaperone; Heat shock protein<br><br>Chromosomal Location of Human Ortholog: 16p13.3<br><br>Cellular Component: nucleoplasm; membrane; mitochondrion; mitochondrial matrix; mitochondrial inner membrane; mitochondrial intermembrane space; lipid particle<br><br>Molecular Function: protein binding; unfolded protein binding; protein kinase binding; tumor necrosis factor receptor binding; ATP binding<br><br>Biological Process: response to stress |
| **Research Articles on TRAP1** | **1.** High TRAP1 expression is associated with resistance to anthracyclins in breast carcinoma. |
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