TRAP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRAP1, Polyclonal Antibody
Full Product Name	TRAP1 Rabbit pAb
Product Gene Name	anti-TRAP1 antibody
Product Synonym Names	HSP75; HSP 75; HSP90L; TRAP-1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	82kDa
OMIM	606219
3D Structure	ModBase 3D Structure for Q12931
Immunogen	Recombinant protein of human TRAP1
Cellular Localization	Membrane, Mitochondrion, Mitochondrion Inner Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRAP1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-TRAP1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Related Product Information for anti-TRAP1 antibody	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.
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.
Searchable Terms for TRAP1 purchase	MBS8545053 is an antibody targeting TRAP1. Also known as TRAP1 Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	67477458
NCBI GeneID	10131

NCBI Accession #	Q12931.3
UniProt Primary Accession #	Q12931
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
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. Protein type: Chaperone; Heat shock protein Chromosomal Location of Human Ortholog: 16p13.3 Cellular Component: nucleoplasm; membrane; mitochondrion; mitochondrial matrix; mitochondrial inner membrane; mitochondrial intermembrane space; lipid particle Molecular Function: protein binding; unfolded protein binding; protein kinase binding; tumor necrosis factor receptor binding; ATP binding Biological Process: response to stress
Research Articles on TRAP1	**1.** Results demonstrated that TRAP1 gene polymorphisms may be associated with the systemic lupus erythematosus (SLE) susceptibility and glucocorticoids sensitivity in SLE patients.
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