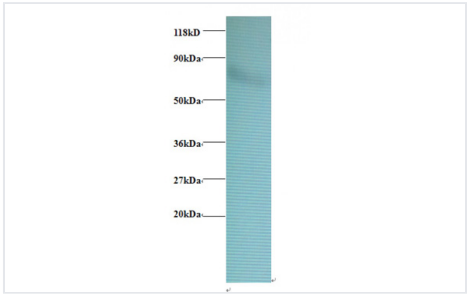
TRAP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRAP1, Polyclonal Antibody
Full Product Name	TRAP1 antibody (biotin)
Product Gene Name	anti-TRAP1 antibody
Product Synonym Names	Rabbit polyclonal TRAP1 antibody (biotin); Polyclonal TRAP1 antibody; Anti-TRAP1 antibody; HSP75 antibody; TRAP 1 antibody; TRAP-1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied with 0.03% Proclin 300, 50% Glycerol and 0.01M PBS, PH 7.4
Purity/Purification	Purified by Ammonium Sulfate precipitation
Preparation and Storage	Store at 4 degree C for short term storage and-20 degree C for long term storage. Avoid repeat freeze/thaw cycles.
Molecular Weight	74,267 Da
OMIM	606219
Immunogen	TRAP1 antibody (Biotin) was raised in Rabbit using recombinant human Heat shock protein 75 kDa as the immunogen
Conjugate	Biotin
Cross-Reactivity	Human
Product Categories/Family for anti-TRAP1 antibody	Proteases; Inhibitors; & Enzymes
Applications Tested/Suitable for anti-TRAP1 antibody	ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for anti-TRAP1 antibody	MBS5310396 is an antibody targeting TRAP1. Also known as TRAP1 antibody (biotin). Host: Rabbit. TRAP1 is an ATPase that also exhibits chaperone activity.
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.



Testing Data of anti-TRAP1 antibody

ADDITIONAL DETAILS

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

NCBI GI #	3273383
NCBI GeneID	10131
NCBI Accession #	AAC24722.1
UniProt Secondary Accession #	O43642; O75235; Q9UHL5; B4DR68; D3DUC8; F5H897
UniProt Related Accession #	Q12931
NCBI Official Full Name	TRAP1, partial
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
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	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.
Research Articles on TRAP1	**1.** Here, the authors show that rather than being cooperative or independent, ATP hydrolysis on the two protomers is sequential and deterministic. Moreover, dimer asymmetry sets up differential hydrolysis rates for each protomer, such that the buckled conformation favors ATP hydrolysis.
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