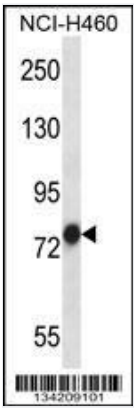
TRAP1 Antibody – Rabbit Polyclonal

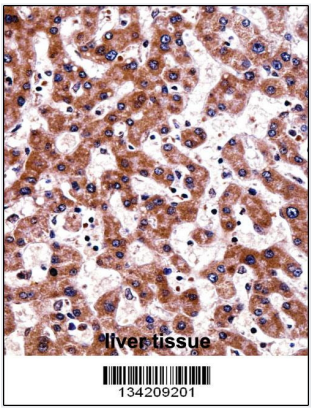
PRODUCT OVERVIEW

Product Name	TRAP1, Polyclonal Antibody
Full Product Name	TRAP1, CT (TRAP1, HSP75, Heat shock protein 75kD, mitochondrial, TNFR-associated protein 1, Tumor necrosis factor type 1 receptor-associated protein) (Biotin)
Product Gene Name	anti-TRAP1 antibody
Product Synonym Names	TRAP1; HSP75; Heat shock protein 75kD, mitochondrial; TNFR-associated protein 1; Tumor necrosis factor type 1 receptor-associated protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	704
Chromosome Location	Chromosome: 16; NC_000016.9 (3708038..3767598, complement). Location: 16p13.3
OMIM	606219
3D Structure	ModBase 3D Structure for Q12931
Immunogen	TRAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 541-570 amino acids from the C-terminal region of human TRAP1.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-TRAP1 antibody	Antibodies; Heat Shock Proteins
Applications Tested/Suitable for anti-TRAP1 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-TRAP1 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-TRAP1 antibody	HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. TRAP1 is a mitochondrial HSP90 protein. Other HSP90 proteins are found in cytosol (see HSP90AA1; MIM 140571) and endoplasmic reticulum (HSP90B1; MIM 191175) (Chen et al., 2005 [PubMed 16269234]).

Product References and Citations for anti-TRAP1 antibody	Liu, D., et al. Cancer Lett. 296(2):194-205(2010). Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Nguyen, M.C., et al. Cancer Immunol. Immunother. 59(9):1313-1323(2010). Landriscina, M., et al. Cancer Res. 70(16):6577-6586(2010). Leav, I., et al. Am. J. Pathol. 176(1):393-401(2010).
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	MBS6357969 is an antibody targeting TRAP1. Also known as TRAP1, CT (TRAP1, HSP75, Heat shock protein 75kD, mitochondrial, TNFR-associated protein 1, Tumor necrosis factor type 1 receptor-associated protein) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TRAP1 antibody
TRAP1 Antibody (C-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the TRAP1 antibody detected the TRAP1 protein (arrow).



Immunohistochemistry (IHC) of anti-TRAP1 antibody
TRAP1 Antibody (C-term) (AP14128b)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TRAP1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

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

NCBI GI #	155722983
NCBI GeneID	10131
NCBI Accession #	NP_057376.2
UniProt Primary Accession #	Q12931
UniProt Secondary Accession #	O43642; O75235; Q9UHL5; D3DUC8
UniProt Related Accession #	Q12931
GenBank Nucleotide #	NM_016292.2
NCBI Official Full Name	heat shock protein 75 kDa, mitochondrial isoform 1
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
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
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