

Rabbit TRAP1 Polyclonal Antibody | anti-TRAP1 antibody

TRAP1 Antibody

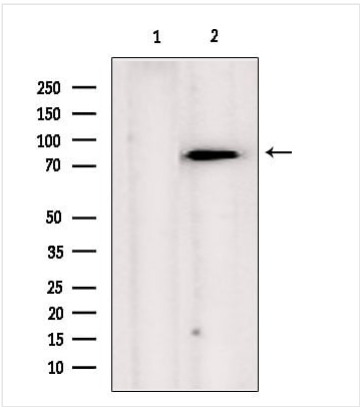
CATALOG # AAA326817	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

TRAP1; Polyclonal Antibody; TRAP1 Antibody; Heat shock protein 75 kDa; mitochondrial; HSP 75; HSP75; HSP90L; TNF receptor associated protein 1; TNFR-associated protein 1; TRAP-1; Trap1; TRAP1_HUMAN; Tumor necrosis factor type 1 receptor-associated protein; anti-TRAP1 antibody

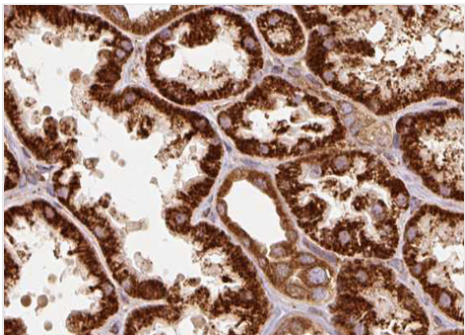
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TRAP1 antibody detects endogenous levels of total TRAP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	651
Applicable Applications for anti-TRAP1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TRAP1
Subcellular Location	Mitochondrion.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (90%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (90%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



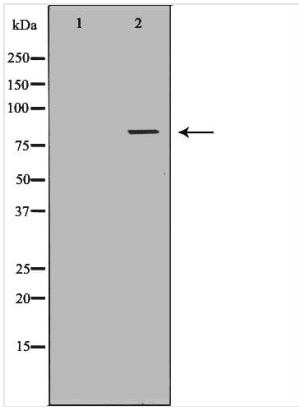
WB (Western Blot)

Western blot analysis of extracts from hela, using TRAP1 Antibody. Lane 1 was treated with the blocking peptide.



IHC (Immunohistochemistry)

AAA326817 at 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using TRAP1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TRAP1 antibody	Description: 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. Function: 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. Subunit Structure: Binds to the intracellular domain of tumor necrosis factor type 1 receptor. Binds to RB1. Interacts with SRC. Interacts with SDHA. Similarity: Belongs to the heat shock protein 90 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	440309857
NCBI GeneID	10131
NCBI Accession #	NP_001258978.1
NCBI GenBank Nucleotide #	NM_001272049.1
UniProt Accession #	Q12931; O43642; O75235; Q9UHL5; B4DR68; D3DUC8; F5H897

Molecular Weight	Observed: 80 kDa Predicted: 81 kDa
NCBI Official Full Name	heat shock protein 75 kDa, mitochondrial isoform 2
NCBI Official Synonym Full Names	TNF receptor associated protein 1
NCBI Official Symbol	TRAP1
NCBI Official Synonym Symbols	HSP75; HSP 75; HSP90L; TRAP-1
NCBI Protein Information	heat shock protein 75 kDa, mitochondrial
UniProt Protein Name	Heat shock protein 75 kDa, mitochondrial
UniProt Gene Name	TRAP1
UniProt Synonym Gene Names	HSP75; HSP 75; TRAP-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/trap1-antibody-immunohistochemistry-western-blot-elisa/326817>