

anti-Human, Rat TRAP1 Polyclonal Antibody | anti-TRAP1 antibody

Anti-TRAP1 Antibody

CATALOG # AAA46582	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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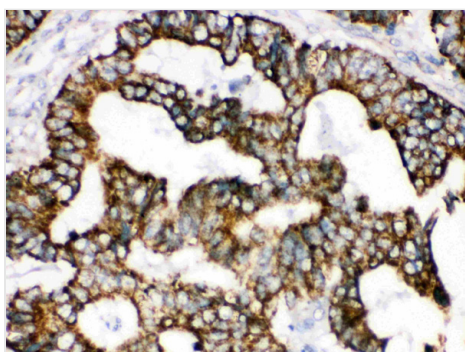
PRODUCT SYNONYMS

TRAP1; Polyclonal Antibody; Anti-TRAP1 Antibody; Heat shock protein 75 kDa; Heat shock protein 75; Heat shock protein 75 kDa mitochondrial; HSP 75; HSP 90L; HSP75; HSP90L; mitochondrial; TNF receptor associated protein 1; TNFR associated protein 1; TNFR-associated protein 1; TRAP 1; TRAP-1; Trap1; TRAP1_HUMAN; Tumor necrosis factor receptor associated protein; Tumor necrosis factor type 1 receptor associated protein; Tumor necrosis factor type 1 receptor-associated protein; TNF receptor-associated protein 1; anti-TRAP1 antibody

PRODUCT SPECIFICATIONS

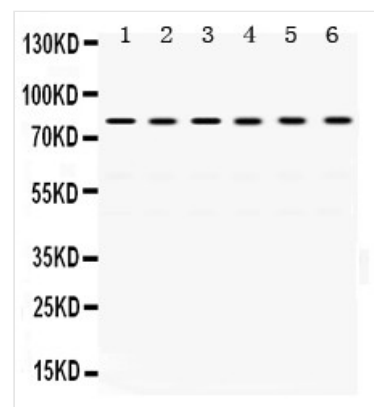
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	651
Applicable Applications for anti-TRAP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human TRAP1 recombinant protein (Position: A571-H704). Human TRAP1 shares 91.7% and 94% amino acid (aa) sequence identity with mouse and rat TRAP1, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- TRAP1 Picoband antibody, AAA46582, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)

Anti- TRAP1 Picoband antibody, AAA46582, Western blottingAll lanes: Anti TRAP1 (AAA46582) at 0.5ug/mlLane 1: Rat Cardiac Muscle Tissue Lysate at 50ugLane 2: Rat Kidney Tissue Lysate at 50ugLane 3: Rat Brain Tissue Lysate at 50ugLane 4: SMMC Whole Cell Lysate at 40ugLane 5: PANC Whole Cell Lysate at 40ugLane 6: A549 Whole Cell Lysate at 40ugPredicted bind size: 80KDObserved bind size: 80KD

ADDITIONAL INFORMATION

Related Product Information for anti-TRAP1 antibody	Description: Rabbit IgG polyclonal antibody for Heat shock protein 75 kDa, mitochondrial(TRAP1) detection. Tested with WB, IHC-P in Human;Rat. Background: Heat shock protein 75 kDa, mitochondrial is a protein that in humans is encoded by the TRAP1 gene. It is mapped to 16p13.3. 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. And this protein may function in regulating cellular stress responses. In addition, it was found that TRAP1 interacted with the N-terminal half of TNFR1. Also, TRAP1 interacted with the C-terminal ends of the proteins encoded by both multiple exostoses-causing genes, EXT1 and EXT2, but not with EXTL1 or EXTL3.
References	1. "Entrez Gene: TRAP1 TNF receptor-associated protein 1". 2. Felts SJ, Owen BA, Nguyen P, Trepel J, Donner DB, Toft DO (March 2000). "The hsp90-related protein TRAP1 is a mitochondrial protein with distinct functional properties". J Biol Chem 275 (5): 3305-12. 3. Song HY, Dunbar JD, Zhang YX, Guo D, Donner DB (March 1995). "Identification of a protein with homology to hsp90 that binds the type 1 tumor necrosis factor receptor". J Biol Chem 270 (8): 3574-81.

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	74,267 Da
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
UniProt Entry Name	TRAP1_HUMAN

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.