Product datasheet

Anti-TRAP1 Antibody

Catalog Number: *PB0880*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-TRAP1 Antibody
Gene Name	TRAP1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
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.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	80 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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.

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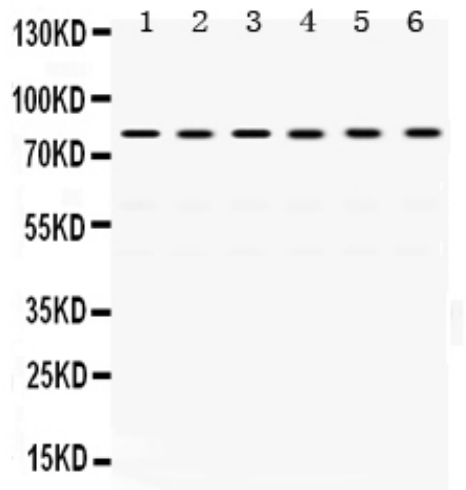
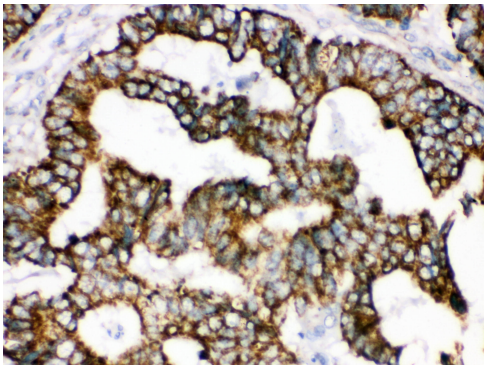
Reference

Anti-TRAP1 Antibody被引用在4文献中。

Selected Validation Data



Western blot analysis of TRAP1 using anti-TRAP1 antibody (PB0880). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Rat cardiac muscle tissue lysates,
Lane 2: Rat kidney tissue lysates,
Lane 3: Rat brain tissue lysates,
Lane 4: SMMC whole cell lysates,
Lane 5: PANC whole cell lysates,
Lane 6: A549 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TRAP1 antigen affinity purified polyclonal antibody (PB0880) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TRAP1 at approximately 80 kDa. The expected band size for TRAP1 is at 80 kDa.



IHC analysis of TRAP1 using anti-TRAP1 antibody (PB0880). TRAP1 was detected in a paraffin-embedded section of human intestinal cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-TRAP1 Antibody (PB0880) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.