

TRAP1 / HSP75 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16907**Specification**

TRAP1 / HSP75 Antibody - Product Information

Application	IHC, WB
Primary Accession	Q12931
Other Accession	10131
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	80110

TRAP1 / HSP75 Antibody - Additional Information**Gene ID** 10131**Other Names**

TRAP1, HSP 75, HSP75, HSP90L, TNFR-associated protein 1, TRAP-1

Target/Specificity

Human TRAP1

Reconstitution & Storage

PBS, pH 7, 1% BSA, 20% Glycerol, 0.01% Thimerosal. Aliquot and freeze at -20° C. Avoid freeze-thaw cycles.

Precautions

TRAP1 / HSP75 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TRAP1 / HSP75 Antibody - Protein Information**Name** TRAP1**Synonyms** HSP75**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.

Cellular Location

Mitochondrion. Mitochondrion inner membrane Mitochondrion matrix

Tissue Location

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

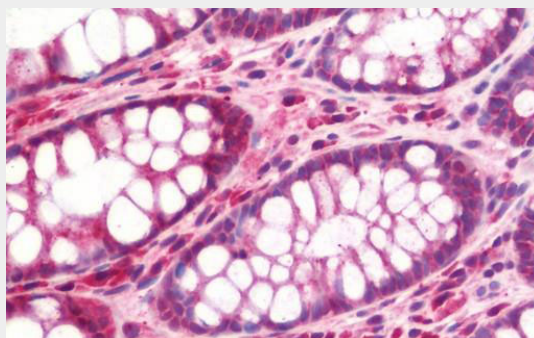
Volume

50 μ l

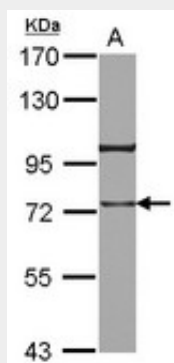
TRAP1 / HSP75 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRAP1 / HSP75 Antibody - Images

Anti-TRAP1 / HSP75 antibody IHC staining of human colon.



Sample (30 ug of whole cell lysate) A: A431 7.5% SDS PAGE TRAP1 antibody diluted at 1:3000

TRAP1 / HSP75 Antibody - Background

Chaperone that expresses an ATPase activity. Involved in maintaining mitochondrial function and polarization, most likely through stabilization of 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.

TRAP1 / HSP75 Antibody - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).

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Song H.Y.,et al.J. Biol. Chem. 270:3574-3581(1995).