

**HSP 75 Polyclonal Antibody**  
**Catalog # AP74173****Specification**

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**HSP 75 Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	<a href="#">Q12931</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**HSP 75 Polyclonal Antibody - Additional Information****Gene ID** 10131**Other Names**

Heat shock protein 75 kDa, mitochondrial (HSP 75) (TNFR-associated protein 1) (Tumor necrosis factor type 1 receptor-associated protein) (TRAP-1)

**Dilution**

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**HSP 75 Polyclonal Antibody - Protein Information****Name** TRAP1**Synonyms** HSP75, HSPC5 {ECO:0000303|PubMed:1866360}**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**

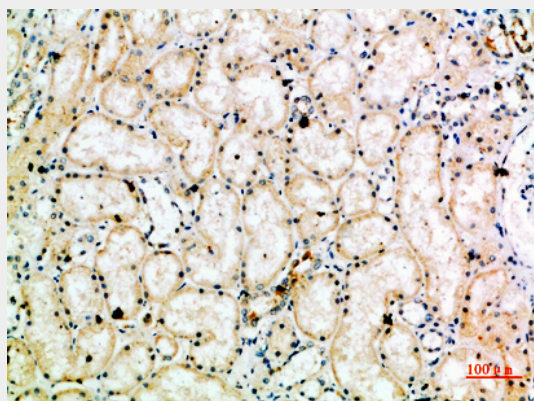
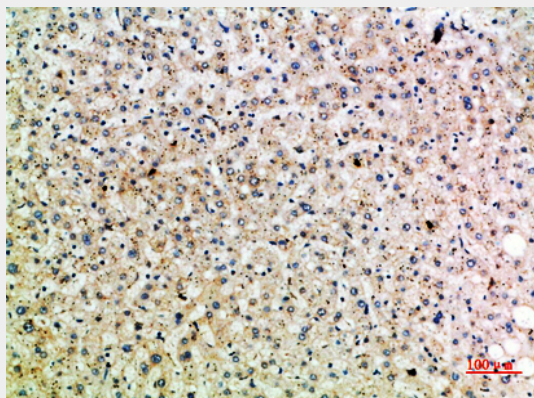
Found in skeletal muscle, liver, heart, brain, kidney, pancreas, lung, placenta and bladder. Expression is highly reduced in bladder cancer and renal cell carcinoma specimens compared to healthy tissues, but it is increased in other type of tumors

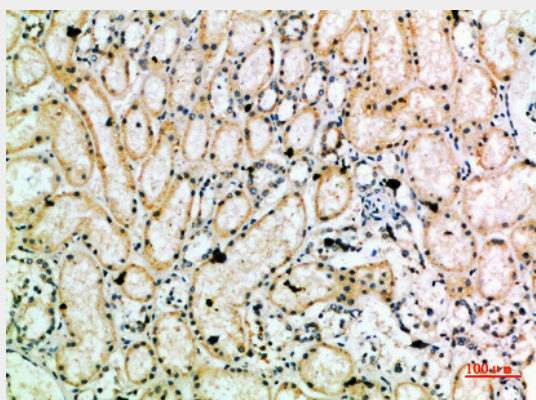
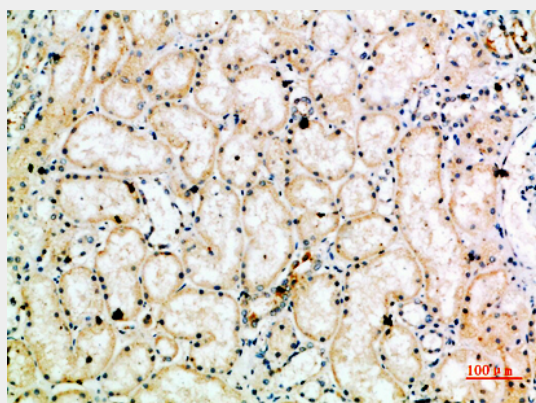
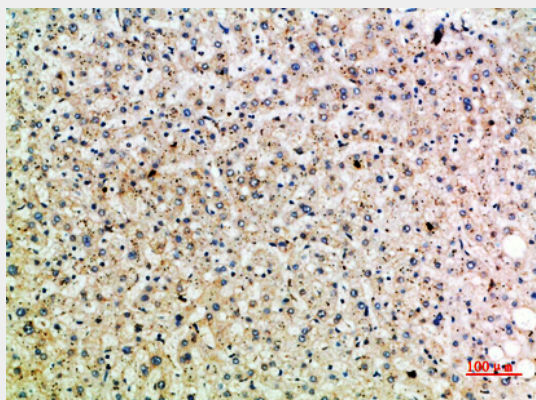
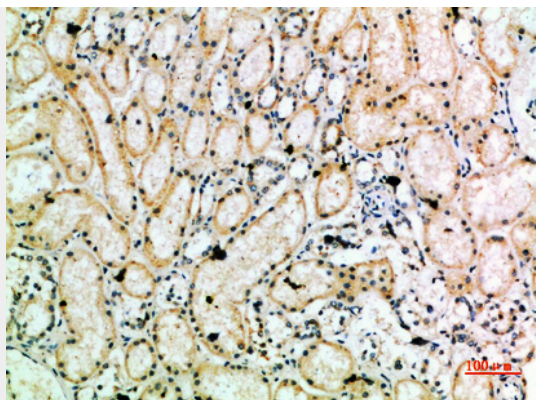
## HSP 75 Polyclonal Antibody - Protocols

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](#)

## HSP 75 Polyclonal Antibody - Images





**HSP 75 Polyclonal Antibody - Background**

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.