

Hsp75 Antibody
Rabbit mAb
Catalog # AP90959

Specification

Hsp75 Antibody - Product Information

Application	WB, IP
Primary Accession	Q12931
Clonality	Monoclonal
Other Names	
HSP75; HSP 75; HSP90L; TRAP-1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	80110 Da

Hsp75 Antibody - Additional Information

Dilution	WB~~1:1000 IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Hsp75
Description	TNF receptor-associated protein 1 (TRAP1), also known as HSP75, is a mitochondrial chaperone and ATPase that was originally identified as a protein that interacts with the TNF receptor.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Hsp75 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

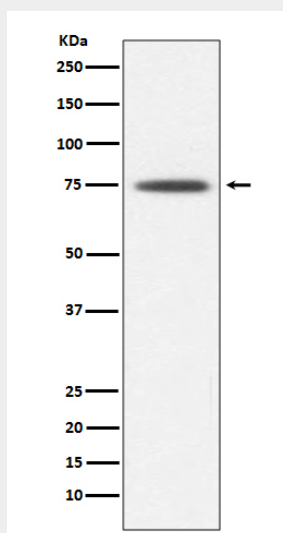
Tissue Location

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

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](#)

Hsp75 Antibody - Images

Western blot analysis of Hsp75 expression in K562 cell lysate.