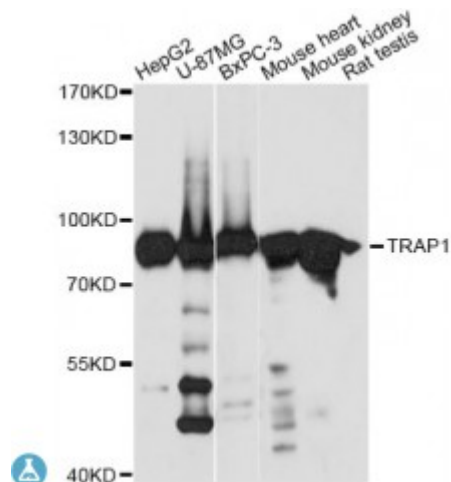


Anti-TRAP1 Antibody



Description

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. This protein may function in regulating cellular stress responses. Alternate splicing results in multiple transcript variants.

Model	STJ116240
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 445-704 of human TRAP1 (NP_057376.2).
Gene ID	10131
Gene Symbol	TRAP1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	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
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Heat shock protein 75 kDa mitochondrial HSP 75 TNFR-associated protein 1 Tumor necrosis factor type 1 receptor-associated protein TRAP-1

Molecular Weight	80.11 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:16264OMIM:606219Reactome:R-HSA-611105
Alternative Names	Heat shock protein 75 kDa mitochondrial HSP 75 TNFR-associated protein 1 Tumor necrosis factor type 1 receptor-associated protein TRAP-1
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 Localization	Mitochondrion

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com