

ARG58835 anti-TRAP1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TRAP1
Tested Reactivity	Hu, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TRAP1
Species	Human
Immunogen	Recombinant protein corresponding to A571-H704 of Human TRAP1.
Conjugation	Un-conjugated
Alternate Names	HSP90L; Tumor necrosis factor type 1 receptor-associated protein; TRAP-1; TNFR-associated protein 1; Heat shock protein 75 kDa, mitochondrial; HSP 75; HSP75

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml

Application Note
IHC-P: Antigen Retrieval: By heat mediation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

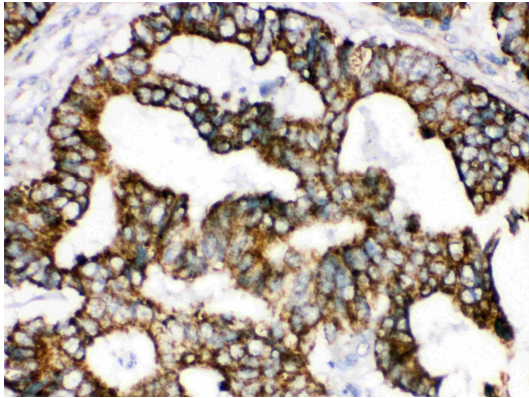
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

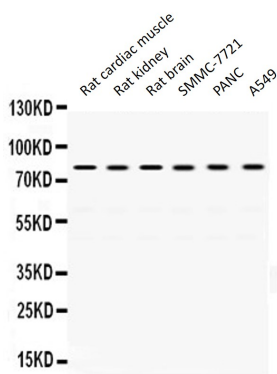
Gene Symbol	TRAP1
Gene Full Name	TNF receptor-associated protein 1
Background	This gene encodes a mitochondrial chaperone protein that is member of the heat shock protein 90 (HSP90) family. The encoded protein has ATPase activity and interacts with tumor necrosis factor type I. This protein may function in regulating cellular stress responses. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]
Function	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. [UniProt]
Calculated Mw	80 kDa
Cellular Localization	Mitochondrion. Mitochondrion inner membrane. Mitochondrion matrix. [UniProt]

Images



ARG58835 anti-TRAP1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer stained with ARG58835 anti-TRAP1 antibody.



ARG58835 anti-TRAP1 antibody WB image

Western blot: 50 μ g of Rat cardiac muscle, 50 μ g of Rat kidney, 50 μ g of Rat brain, 40 μ g of SMMC-7721, 40 μ g of PANC and 40 μ g of A549 lysates stained with ARG58835 anti-TRAP1 antibody at 0.5 μ g/ml dilution.