

Datasheet for ABIN686654

anti-TRAP1 antibody (AA 501-650) (FITC)[Go to Product page](#)**1** Publication

Overview

Quantity:	100 µL
Target:	TRAP1
Binding Specificity:	AA 501-650
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRAP1 antibody is conjugated to FITC
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HSP75
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TRAP1
Alternative Name:	Hsp75/Trap1 (TRAP1 Products)

Target Details

Background:	Synonyms: HSP75, HSP 75, HSP90L, TRAP-1, Heat shock protein 75 kDa, mitochondrial, TNFR-associated protein 1, Tumor necrosis factor type 1 receptor-associated protein, TRAP1 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.
Gene ID:	10131
UniProt:	Q12931

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Letтини, Sisinni, Condelli, Matassa, Simeon, Maddalena, Gemei, Lopes, Vita, Del Vecchio,
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Esposito, Landriscina: "TRAP1 regulates stemness through Wnt/ β -catenin pathway in human colorectal carcinoma." in: **Cell death and differentiation**, Vol. 23, Issue 11, pp. 1792-1803, (2016) ([PubMed](#)).