

ARG67092 anti-FUNDC1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FUNDC1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FUNDC1
Species	Human
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-50 of Human FUNDC1.
Conjugation	Un-conjugated
Alternate Names	FUN14 domain-containing protein 1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100-300
	WB	1:500-2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

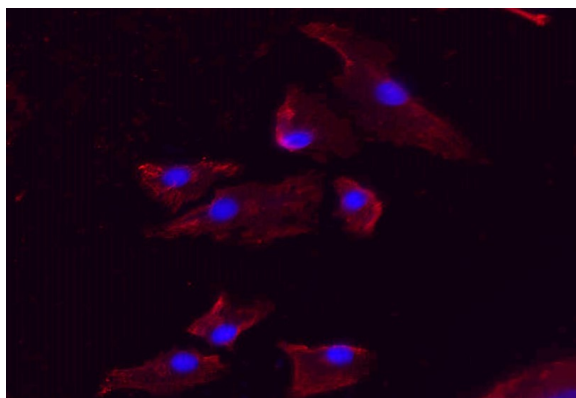
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 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. 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

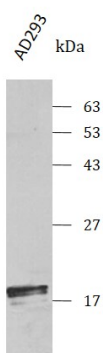
Gene Symbol	FUNDC1
Gene Full Name	FUN14 domain containing 1
Background	This gene encodes a protein with a FUN14 superfamily domain. The function of the encoded protein is not known. [provided by RefSeq, Sep 2011]
Function	Acts as an activator of hypoxia-induced mitophagy, an important mechanism for mitochondrial quality control. [UniProt]
Calculated Mw	17 kDa
PTM	Phosphorylation at Tyr-18 by SRC inhibits activation of mitophagy. Following hypoxia, dephosphorylated at Tyr-18, leading to interaction with MAP1 LC3 family proteins and triggering mitophagy.

Images



ARG67092 anti-FUNDC1 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG67092 anti-FUNDC1 antibody at 1:200 dilution.



ARG67092 anti-FUNDC1 antibody WB image

Western blot: AD293 stained with ARG67092 anti-FUNDC1 antibody at 1:500 dilution.