

ARG22627
anti-FUNDC1 antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FUNDC1
Tested Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FUNDC1
Species	Human
Immunogen	Synthetic peptide around the N-terminus of Human FUNDC1.
Conjugation	Un-conjugated
Alternate Names	FUN14 domain-containing protein 1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

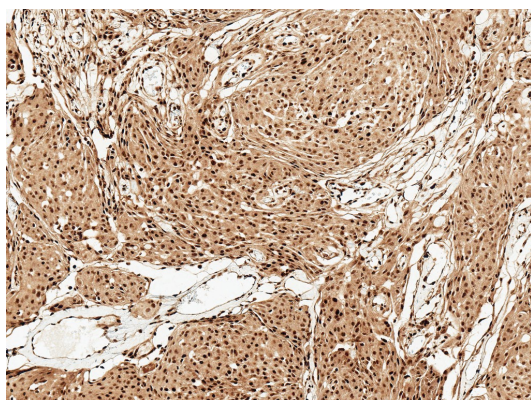
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.09% Sodium azide and 50% Glycerol.
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
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

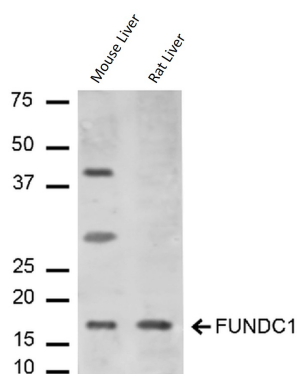
Gene Symbol	FUNDC1
Gene Full Name	FUN14 domain containing 1
Background	This gene encodes a protein with a FUN14 superfamily domain. The function of the encoded protein is not known. [provided by RefSeq, Sep 2011]
Function	Acts as an activator of hypoxia-induced mitophagy, an important mechanism for mitochondrial 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



ARG22627 anti-FUNDC1 antibody IHC-P image

Immunohistochemistry: Human Brain stained with ARG22627 anti-FUNDC1 antibody at 1:50 dilution.



ARG22627 anti-FUNDC1 antibody WB image

Western blot: 15 µg of Mouse Liver and Rat Liver lysates stained with ARG22627 anti-FUNDC1 antibody at 1:1000 for 2 hours at RT.