

For Research Use Only

# FUNDC1 Polyclonal antibody

Catalog Number: 28519-1-AP

Featured Product

8 Publications



## Basic Information

Catalog Number:

28519-1-AP

Concentration:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29358

GenBank Accession Number:

BC042813

GeneID (NCBI):

139341

UNIPROT ID:

Q8IVP5

Full Name:

FUN14 domain containing 1

Calculated MW:

155 aa, 17 kDa

Observed MW:

17 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:20000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat

Cited Species:

human, mouse, rat, monkey, goat

Positive Controls:

WB : RAW 264.7 cells, RAW 264, .7 cells, mouse brain tissue, mouse liver tissue, rat brain tissue, rat liver tissue, C6 cells

## Background Information

FUNDC1 is a novel mitochondrial-associated membrane (MAM) protein, enriched at the MAM by interacting with the ER resident protein CANX (calnexin) under hypoxia. As mitophagy proceeds, it dissociates from CANX and preferably recruits DNM1L/DRP1 to drive mitochondrial fission in response to hypoxic stress.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhe Sun	39804926	PLoS Pathog	WB
Chenyang Chen	39528930	Mol Med	WB
Shuo Wang	39406943	Commun Biol	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

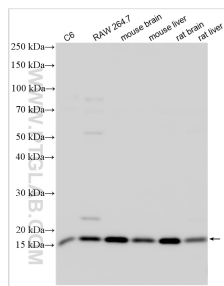
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28519-1-AP (FUNDC1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.