

Rabbit FUNDC2 Polyclonal Antibody | anti-FUNDC2 antibody

FUNDC2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288102	Rabbit	Human, Mouse (Predicted Reactivity: Bovine, Pig)	ELISA, Western Blot

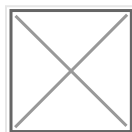
PRODUCT SYNONYMS

FUNDC2; Polyclonal Antibody; FUNDC2 Antibody (C-term); FUN14 domain-containing protein 2; Cervical cancer proto-oncogene 3 protein; HCC-3; Hepatitis C virus core-binding protein 6; HCBP6; anti-FUNDC2 antibody

PRODUCT SPECIFICATIONS

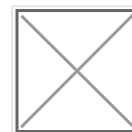
Host	Rabbit
Reactivity	Human, Mouse (Predicted Reactivity: Bovine, Pig)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This FUNDC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-150 amino acids from the C-terminal region of human FUNDC2.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	122-150
Sequence Length	189
Applicable Applications for anti-FUNDC2 antibody	ELISA, WB (Western Blot)
Function	Binds directly and specifically 1,2-Diacyl-sn-glycero-3-phospho-(1'-myo-inositol-3',4',5'-bisphosphate) (PIP3) leading to the recruitment of PIP3 to mitochondria and may play a role in the regulation of the platelet activation via AKT/GSK3B/cGMP signaling pathways (PubMed:29786068). May act as transcription factor that regulates SREBP1 (isoform SREBP-1C) expression in order to modulate triglyceride (TG) homeostasis in hepatocytes (PubMed:29187281, PubMed:25855506).
Cellular Location	Mitochondrion outer membrane; Multi-pass membrane protein. Nucleus
Tissue Location	Highly expressed in platelets (at protein level).
Preparation and Storage	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



Application Data

All lanes : Anti-FUNDC2 Antibody (C-term) at 1:500 dilution Lane 1: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 15kDa Blocking/Dilution buffer: 5% NFDM/TBST.



WB (Western Blot)

FUNDC2 Antibody (C-term) (Cat. #AAA288102) western blot analysis in mouse kidney tissue lysates (35µg/lane). This demonstrates the FUNDC2 antibody detected the FUNDC2 protein (arrow).

ADDITIONAL INFORMATION

Product Categories/Family for anti-FUNDC2 antibody	Microbiology; Signal Transduction
References	Olsen, J.V., et al. Cell 127(3):635-648(2006) Li, K., et al. Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi 16(4):351-353(2002) Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	24371248
NCBI GeneID	65991
NCBI Accession #	NP_076423.2
NCBI GenBank Nucleotide #	NM_023934.3
UniProt Accession #	Q9BWH2; Q8NHX8; Q9H2I6; B2R7W5; D3DWY5
NCBI Official Full Name	FUN14 domain-containing protein 2
NCBI Official Synonym Full Names	FUN14 domain containing 2
NCBI Official Symbol	FUNDC2
NCBI Official Synonym Symbols	DC44; HCC3; HCBP6; PD03104
NCBI Protein Information	FUN14 domain-containing protein 2
UniProt Protein Name	FUN14 domain-containing protein 2
UniProt Gene Name	FUNDC2
UniProt Synonym Gene Names	HCBP6; HCC-3
UniProt Entry Name	FUND2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.