

For Research Use Only

CHCHD3 Monoclonal antibody

Catalog Number: 68259-1-Ig **1 Publications**



Basic Information

Catalog Number: 68259-1-Ig	GenBank Accession Number: BC014839	Purification Method: Protein A purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 54927	CloneNo.: 1C8H12
Source: Mouse	Full Name: coiled-coil-helix-coiled-coil-helix domain containing 3	Recommended Dilutions: WB 1:5000-1:50000 IF 1:400-1:1600
Isotype: IgG2a	Calculated MW: 227 aa, 26 kDa	
Immunogen Catalog Number: AG22628	Observed MW: 26 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: pig heart tissue, A549 cells, rabbit heart tissue, rat heart tissue, mouse heart tissue, rat brain tissue, HeLa cells
Species Specificity: Human, mouse, rat, rabbit, pig	IF: MCF-7 cells,
Cited Species: rat	

Background Information

CHCHD3, initially identified as a substrate for cAMP-dependent protein kinase (PKA), is a ubiquitous protein in the mitochondria and plays a prominent role in maintaining cristae integrity and mitochondrial function. In mitochondria, ChChd3 is predominantly localized to the inner membrane (IM), facing toward the intermembrane space (IMS), and is part of the large protein complex now called as MINOS (mitochondrial inner membrane organizing system), or MIB (mitochondrial intermembrane space bridging). CHCHD3 is highly conserved in mammals with human and mouse protein sharing 92% sequence similarity.

Notable Publications

Author	Pubmed ID	Journal	Application
Jian Guo	36819507	Ann Transl Med	WB

Storage

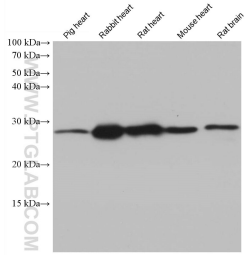
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

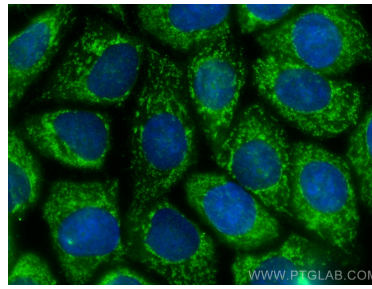
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 68259-1-Ig (CHCHD3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CHCHD3 antibody (68259-1-Ig, Clone: 1C8H12) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).