

For Research Use Only

ARMC12 Polyclonal antibody

Catalog Number: 33045-1-AP



Basic Information

Catalog Number: 33045-1-AP	GenBank Accession Number: BC033033	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 750 ug/ml by Nanodrop;	GeneID (NCBI): 221481	Recommended Dilutions: WB: 1:500-1:1000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: Q5T9G4	
Isotype: IgG	Full Name: chromosome 6 open reading frame 81	
Immunogen Catalog Number: AG37979	Observed MW: 37 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls: WB : mouse testis tissue, IP : mouse testis tissue,
Species Specificity: human, mouse	

Background Information

ARMC12 (Armadillo Repeat Containing 12) is a protein localized to the outer mitochondrial membrane and belongs to the protein family containing Armadillo repeat sequences. Its primary function is to act as a positive regulator of mitochondrial fission. Research indicates that ARMC12 interacts with core proteins involved in mitochondrial fission, such as the dynamin-related protein DRP1 and its receptor MFF, facilitating the proper assembly and localization of the mitochondrial fission complex on the mitochondrial surface, thereby precisely regulating the fission process. Mitochondrial fission is crucial for maintaining mitochondrial network homeostasis, energy metabolism, apoptosis, and autophagy. Consequently, dysfunction of ARMC12 is believed to be potentially associated with diseases related to abnormal mitochondrial morphology, such as neurodegenerative diseases, metabolic disorders, and cancer, making it an important subject of study in the field of mitochondrial dynamics.

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

*** 20ul sizes contain 0.1% BSA

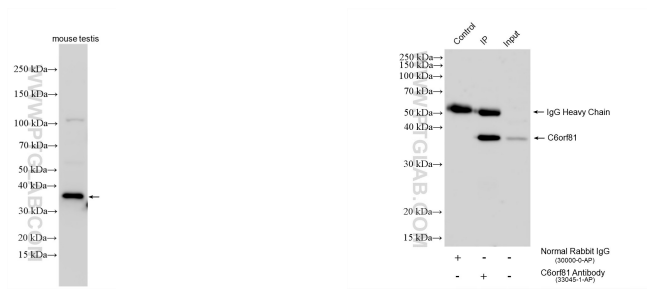
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33045-1-AP (C6orf81 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.

IP result of anti-C6orf81 (IP:33045-1-AP, 4ug; Detection:33045-1-AP 1:1000) with mouse testis tissue lysate 1680 ug.