

For Research Use Only

# ARMC12 Polyclonal antibody, PBS Only

Catalog Number: 33045-1-PBS



## Basic Information

<b>Catalog Number:</b> 33045-1-PBS	<b>GenBank Accession Number:</b> BC033033	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 221481	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5T9G4	
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 6 open reading frame 81	
<b>Immunogen Catalog Number:</b> AG37979	<b>Observed MW:</b> 37 kDa	

## Applications

**Tested Applications:**  
WB, IP, Indirect ELISA

**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

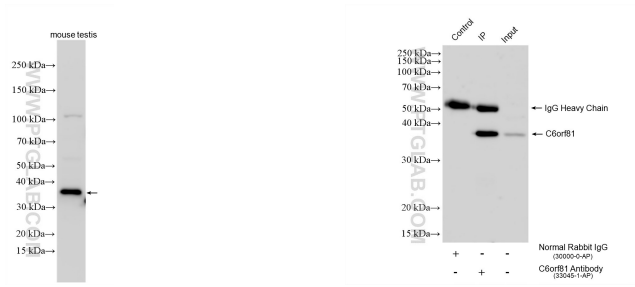
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

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

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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. This data was developed using the same antibody clone with 33045-1-PBS in a different storage buffer formulation.

IP result of anti-C6orf81 (IP:33045-1-AP, 4ug; Detection:33045-1-AP 1:1000) with mouse testis tissue lysate 1680 ug. This data was developed using the same antibody clone with 33045-1-PBS in a different storage buffer formulation.