

For Research Use Only

# FHOD3 Polyclonal antibody, PBS Only

Catalog Number: 31744-1-PBS



## Basic Information

Catalog Number:

31744-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36247

GenBank Accession Number:

BC157093

GeneID (NCBI):

80206

UNIPROT ID:

Q2V2M9

Full Name:

formin homology 2 domain  
containing 3

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

IHC, IF-P, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

FHOD3, also known as FHOS2 or Formactin2, was an important member of Formin homology proteins. FHOD3 plays a crucial role in organizing the cytoskeleton, primarily by regulating actin filament polymerization within cardiomyocytes, which is essential for heart muscle structure and function. Mutations in this gene are associated with familial cardiomyopathies, including dilated cardiomyopathy (DCM), and its protein levels are altered in hypertrophic cardiomyopathy (HCM). FHOD3 is expressed abundantly in the heart (PMID: 32447646, PMID: 33251537).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

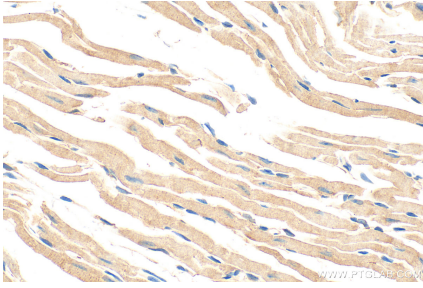
T: 4006900926

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

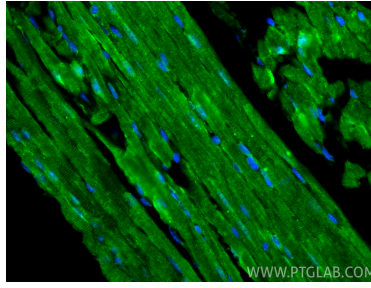
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 31744-1-AP (FHOD3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31744-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using FHOD3 antibody (31744-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31744-1-PBS in a different storage buffer formulation.