

For Research Use Only

FHOD3 Polyclonal antibody, PBS Only

Catalog Number: 31744-1-PBS



Basic Information

| | | |
|---|--|--|
| Catalog Number: 31744-1-PBS | GenBank Accession Number: BC157093 | Purification Method: Antigen affinity Purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 80206 | |
| Source: Rabbit | UNIPROT ID: Q2V2M9 | |
| Isotype: IgG | Full Name: formin homology 2 domain containing 3 | |
| Immunogen Catalog Number: AG36247 | | |

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.

Storage Buffer:
PBS only, pH7.3

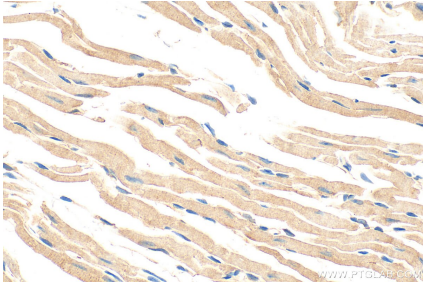
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

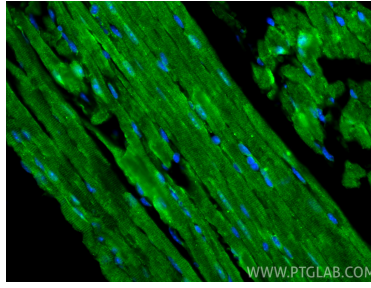
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.