

For Research Use Only

FHOD3 Polyclonal antibody

Catalog Number: 31744-1-AP



Basic Information

Catalog Number: 31744-1-AP	GenBank Accession Number: BC157093	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 80206	Recommended Dilutions: IHC: 1:50-1:500 IF-P: 1:50-1:500
Isotype: IgG	UNIPROT ID: Q2V2M9	
Immunogen Catalog Number: AG36247	Full Name: formin homology 2 domain containing 3	

Applications

Tested Applications:
IHC, IF-P, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse heart tissue,
IF-P : mouse heart tissue,

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 -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

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

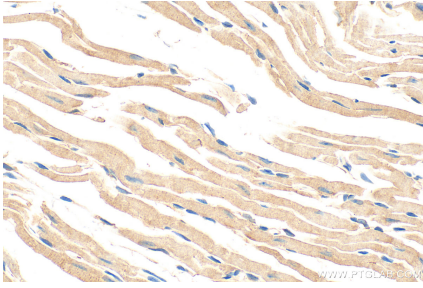
T: 4006900926

E: Proteintech-CN@ptglab.com

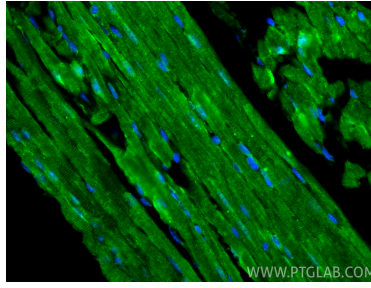
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Selected Validation Data



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).



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).