

For Research Use Only

GEFT Monoclonal antibody

Catalog Number: 66012-1-Ig **1 Publications**



Basic Information

Catalog Number: 66012-1-Ig	GenBank Accession Number: BC012860	Purification Method: Protein A purification
Source: Mouse	GeneID (NCBI): 115557	CloneNo.: 5A11F8
Isotype: IgG2a	UNIPROT ID: Q86VW2	Recommended Dilutions: WB: 1:500-1:2000 IF/ICC: 1:20-1:200 IF/ICC: 1:400-1:1600 FC (Intra): 0.80 ug per 10 ⁶ cells in a 100 µl suspension
Immunogen Catalog Number: AG10819	Full Name: RhoA/RAC/CDC42 exchange factor	
	Calculated MW: 64 kDa	
	Observed MW: 53 kDa, 63 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Cited Applications: WB	WB : mouse skeletal muscle tissue, human brain tissue, mouse brain tissue, rat brain tissue, rat skeletal muscle tissue
Species Specificity: human, mouse, rat, pig, rabbit	IHC : human heart tissue, human brain tissue
Cited Species: human	IF/ICC : HepG2 cells, FC (Intra) : HEK-293 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

GEFT, also named as p63RhoGEF, may play a role in actin cytoskeleton reorganization in different tissues since its activation induces formation of actin stress fibers. It works as a guanine nucleotide exchange factor for Rho family of small GTPases. GETF links specifically G alpha q/11-coupled receptors to RHOA activation. GEFT may be an important regulator of processes involved in axon and dendrite formation. In neurons seems to be an exchange factor primarily for RAC1. It is involved in skeletal myogenesis. GEFT is expressed as three isoforms (64, 53 and 68kDa).

Notable Publications

Author	Pubmed ID	Journal	Application
Behnouth Khaledian	33370472	Cancer Sci	WB

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:

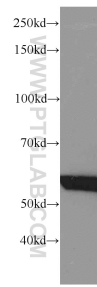
T: 4006900926

E: Proteintech-CN@ptglab.com

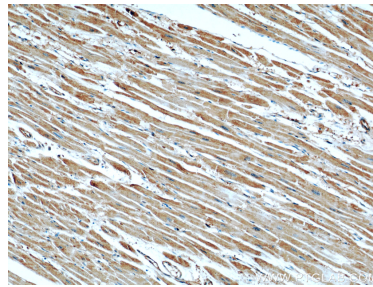
W: ptgcn.com

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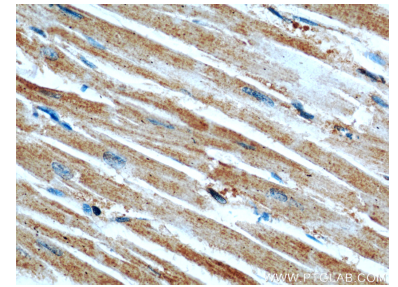
Selected Validation Data



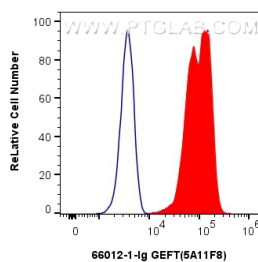
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 66012-1-Ig (GEFT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



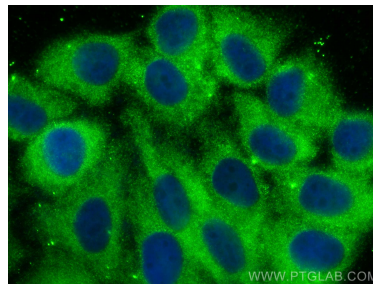
Immunohistochemical analysis of paraffin-embedded human heart using 66012-1-Ig(GEFT antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 66012-1-Ig(GEFT antibody) at dilution of 1:50 (under 40x lens).



1x10⁶ HEK-293 cells were intracellularly stained with 0.8 ug GEFT Monoclonal antibody (66012-1-Ig, Clone:5A11F8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.8 ug Mouse IgG2a isotype control Mouse McAb (66360-2-Ig, Clone: 11A1B2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GEFT antibody (66012-1-Ig, Clone: 5A11F8) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).