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Datasheet for ABIN1698503

anti-GMFG antibody (AA 51-142) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	GMFG
Binding Specificity:	AA 51-142
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GMFG antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GMFG/GMF-gamma
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	GMFG
Alternative Name:	GMFG/GMF-gamma (GMFG Products)
Background:	Synonyms: Glia maturation factor gamma, Glia maturation factor, gamma, GMF GAMMA, GMF-

Target Details

gamma, Gmfg, GMFG_HUMAN, MGC126867.

Background: GMF-gamma is a 142 amino acid protein that belongs to the GMF subfamily of the larger actin-binding protein ADF family. GMF-gamma is expressed predominantly in lung, heart and placenta. GMF-gamma is considered a candidate regulatory growth factor protein, mediating both paracrine and autocrine cell-cell interactions. GMF-gamma is phosphorylated at N-terminal serine, and its phosphorylation is enhanced by coexpression of dominant active Rac 1 and Cdc42. GMF-gamma expression is significantly increased in a cardiac ischemia/reperfusion model where inflammation and angiogenesis take place actively. As a regulator of actin-based cellular functions, GMF-gamma may provide a novel approach to modulate the pathophysiology of cardiovascular diseases. GMF-gamma is primarily found in proliferative and differentiative organs.

Gene ID: 9535

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months