

For Research Use Only

GMFG Polyclonal antibody

Catalog Number: 13625-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

13625-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4538

GenBank Accession Number:

BC032819

GeneID (NCBI):

9535

UNIPROT ID:

O60234

Full Name:

glia maturation factor, gamma

Calculated MW:

141 aa, 17 kDa

Observed MW:

17 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: rat brain tissue, human heart tissue, human placenta tissue, mouse placenta tissue

IP: mouse spleen tissue,

IHC: human lung cancer tissue, human kidney tissue, human placenta tissue, human testis tissue, human spleen tissue, human heart tissue

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

GMFG, is a highly conserved brain-specific protein that belongs to the GMF subfamily of the larger Actin-binding protein ADF family. GMFG is preferentially expressed in blood vessel cells and immune cells and its ectopic expression enhances cellular functions such as tube-formation and migration in vitro. GMFG mediates neutrophil and T-lymphocyte migration via regulation of actin cytoskeletal reorganization. GMFG also acts as an intracellular regulator of stress-activated signal transduction by demonstrating activation of p38 MAP kinase and transcription factor NF- κ B in astrocytes.

Notable Publications

Author	Pubmed ID	Journal	Application
Yan Yang	34367945	Front Oncol	IHC
Nikola Deretic	34336818	Front Cell Dev Biol	WB,IF
Yin-Ling Zhang	35103856	Med Oncol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

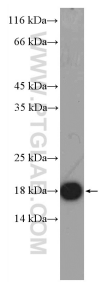
For technical support and original validation data for this product please contact:

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

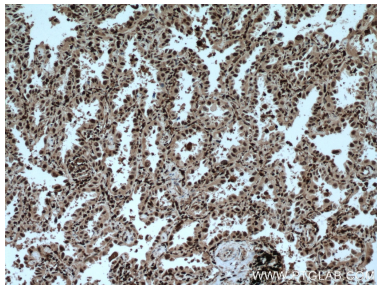
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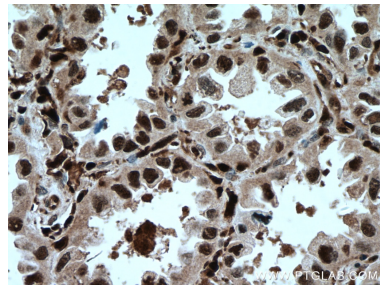
Selected Validation Data



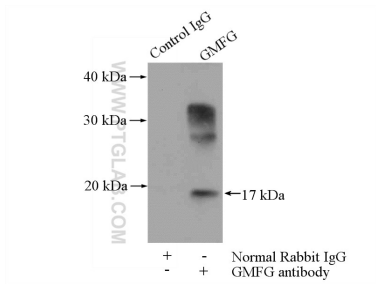
rat brain tissue were subjected to SDS PAGE followed by western blot with 13625-1-AP (GMFG Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13625-1-AP (GMFG antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13625-1-AP (GMFG antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-GMFG (IP:13625-1-AP, 4ug; Detection:13625-1-AP 1:500) with mouse spleen tissue lysate 4000ug.