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GMFG Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7871a

Product Information

Application	WB, IHC-P, E
Primary Accession	O60234
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	16801
Antigen Region	1-30

Additional Information

Gene ID	9535
Other Names	Glia maturation factor gamma, GMF-gamma, GMFG
Target/Specificity	This GMFG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human GMFG.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GMFG Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GMFG
Tissue Location	Expressed predominantly in lung, heart and placenta

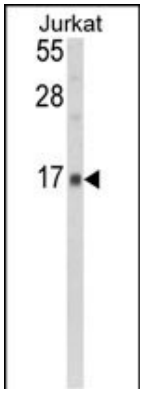
Background

Glia maturation factor gamma (GMFG) is a cytokine-responsive protein in erythropoietin-induced and granulocyte-colony stimulating factor-induced hematopoietic lineage development. It may be involved in glial differentiation, neural regeneration, and inhibition of tumor cell proliferation.

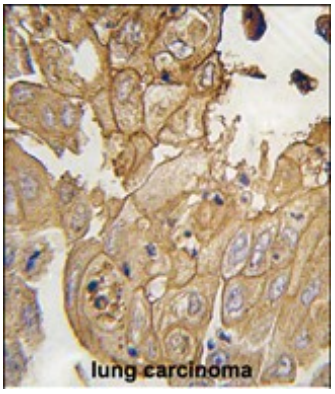
References

Shi,Y., Genomics Proteomics Bioinformatics 4 (3), 145-155 (2006) Kawai,Y., Biochim. Biophys. Acta 1625 (3), 246-252 (2003) Peters,N., Neurogenetics 2 (3), 163-166 (1999)

Images



Western blot analysis of GMFG Antibody (N-term) (Cat. #AP7871a) in Jurkat cell line lysates (35ug/lane). GMFG (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with GMFG antibody (N-term) (Cat.#AP7871a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Citations

- Glia maturation factor-γ regulates murine macrophage iron metabolism and M2 polarization through mitochondrial ROS.
- Glia maturation factor-β mediates neutrophil chemotaxis.
- Glia maturation factor-γ negatively modulates TLR4 signaling by facilitating TLR4 endocytic trafficking in macrophages.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.