

Mouse anti-Human GMFB Monoclonal Antibody | anti-GMFB antibody

GMFB Antibody

CATALOG # AAA48265	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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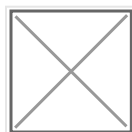
PRODUCT SYNONYMS

GMFB; Monoclonal Antibody; GMFB Antibody; Glia maturation factor beta; GMF; GMF beta; anti-GMFB antibody

PRODUCT SPECIFICATIONS

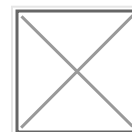
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT44D8
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	142
Applicable Applications for anti-GMFB antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human GMFB (1-142aa) purified from E. coli
Clone Note	Anti-human GMFB mAb, clone AT44D8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human GMFB protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of GMFB in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GMFB antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GMFB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: PC3 cell lysate The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GMFB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: GMFB transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GMFB antibody	GMFB, also known as GMF, belongs to the GMF subfamily of the larger actin-binding protein ADF family. This protein, which is phosphorylated following phorbol ester stimulation, is important for the nervous system. It causes brain cell differentiation, stimulates neural regeneration and inhibits tumor cell proliferation. Overexpression of GMFB in astrocytes has been shown to enhance brain-derived neurotrophic factor (BDNF) production. GMFB expression is increased by exercise, and the protein is crucial for exercise-induction of BDNF.
Product Categories/Family for anti-GMFB antibody	Neuroscience
References	Li YL., et al. (2010) Eur J Cancer. 46 (11): 2104-18. ; Wada T., et al. (2009) Int J Oncol. 35 (5): 973-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758442
NCBI GeneID	2764
NCBI Accession #	NP_004115
NCBI GenBank Nucleotide #	NM_004124.2
UniProt Accession #	P60983; P17774; Q9BS35; B2R499
Molecular Weight	16,713 Da
NCBI Official Full Name	glia maturation factor beta
NCBI Official Synonym Full Names	glia maturation factor beta
NCBI Official Symbol	GMFB
NCBI Official Synonym Symbols	GMF
NCBI Protein Information	glia maturation factor beta
UniProt Protein Name	Glia maturation factor beta
UniProt Gene Name	GMFB
UniProt Synonym Gene Names	GMF-beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/gmfb-antibody-clone-at44d8-immunofluorescence-immunocytochemistry-western-blot-elisa/48265>