

Rabbit anti-Human GMF Beta/GMFB Polyclonal Antibody | anti-GMFB antibody

Anti-GMF Beta/GMFB Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254545	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

GMF Beta/GMFB; Polyclonal Antibody; Anti-GMF Beta/GMFB Antibody; Rabbit Polyclonal; GMFB Antibody; Rabbit PAb; Antigen Affinity Purified; glia maturation factor; beta; Anti-GMF Antibody; anti-GMFB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GMF Beta/GMFB
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GMFB antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human GMFB
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human GMFB, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-GMFB rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate. Lane B: Jurkat Whole Cell Lysate. Lane C: Raji Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 17 kDa. Observed band size: 17 kDa. (We are unsure as to the identity of these extra bands.)



IF (Immunofluorescence)

Immunofluorescence staining of GMFB in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-human GMFB polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 594-conjugated Goat Anti-rabbit IgG secondary antibody (red). Positive staining was localized to cytoplasm and nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-GMFB antibody	GMFB is a nerve growth factor which belongs to the actin-binding proteins ADF family, GMF subfamily. GMFB is involved in nervous system development, angiogenesis and immune function. It is especially crucial for the nervous system. GMFB causes brain cell differentiation, stimulates neural regeneration and inhibits tumor cell proliferation. It contains 1 ADF-H domain and is phosphorylated after phorbol ester stimulation. GMFB overexpression in astrocytes results in the increase of BDNF production. GMFB expression is increased by exercise, thus BDNF is important for exercise-induction of BDNF.
References	Kim W, et al. (2011) Systematic and quantitative assessment of the ubiquitin-modified proteome. Mol Cell. 44(2):325-40. Zaheer S, et al. (2011) Augmented expression of glia maturation factor in Alzheimer's disease. Neuroscience. 194:227-33. Danielsen JM, et al. (2011) Mass spectrometric analysis of lysine ubiquitylation reveals promiscuity at site level. Mol Cell Proteomics. 10(3):M110.003590.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457222
UniProt Accession #	P60983; P17774; B2R499
Molecular Weight	16,713 Da
NCBI Official Full Name	GMFB
UniProt Protein Name	Glia maturation factor beta
UniProt Gene Name	GMFB
UniProt Synonym Gene Names	GMF-beta
UniProt Entry Name	GMFB_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gmf-beta-gmfb-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/254545>