

anti-Rat beta endorphin Antibody | anti-POMC antibody

beta endorphin, Antibody, Rabbit

CATALOG # AAA76486	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, Immunofluorescence
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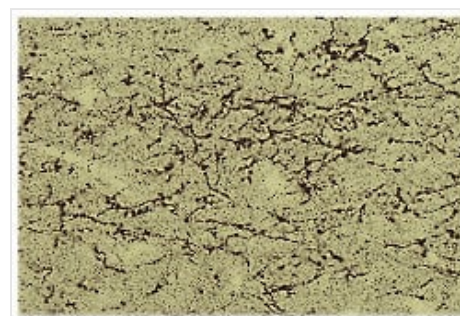
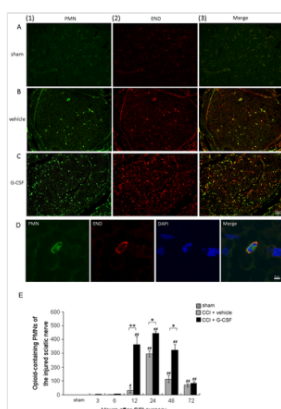
PRODUCT SYNONYMS

beta endorphin; Antibody; Rabbit; anti-POMC antibody

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	31
Applicable Applications for anti-POMC antibody	IHC (Immunohistochemistry), IF (Immunofluorescence)
Type Info	Rabbit IgG
Immunogen	YGGFMTSEKSQTPLVTLFKNAIKNAYKKGE
Preparation and Storage	Store at 4-8 degrees

IMAGES



Application Data

Application Data

Images: G-CSF treatment increases the number of migrated b-endorphin-containing PMN cells in injured nerves. (A-C) Confocal laser scanning microscopy of PMN cells and b-endorphin peptides in the right sciatic nerve of vehicle-treated sham rats (A1-3), vehicle-treated CCI rats (B1-3), and G-CSF treated CCI rats (C1-3) 12 h after CCI, respectively. No apparent PMN cells or b-endorphin peptides were observed in the vehicle-treated sham operation rats. However, at 12 h, the count of b-endorphin-containing PMN cells was significantly higher in the G-CSF-treated CCI rats than in the vehicle-treated CCI rats. Scale bar: 100 μ m. (D) Confocal high-power field laser scanning pictures showing a PMN cell with a typical segmented nucleus, which stained positive for b-endorphin peptides. Green: PMN cells; red: b-endorphin (END)-containing cells; blue (DAPI): cell nuclei. Scale bar: 10 μ m. (E) The number of b-endorphin-containing PMN cells per section as calculated at different time points. The count of b-endorphin-containing PMN cells was higher in the CCI rats treated with G-CSF (black bars) compared to those treated with vehicle (grey bars) between 12-48 h after nerve injury. Data are shown as the means $\pm$ SEM, n = 5 per group; one-way ANOVA, *p<0.05, **p<0.01: CCI + G-CSF group compared to CCI + vehicle group; #p<0.05, ##p<0.01: CCI + G-CSF or CCI + vehicle group compared to vehicle-treated sham operation control. doi:10.1371/journal.pone.0043680.g004

ADDITIONAL INFORMATION

Related Product Information for anti-POMC antibody	b-lipotropin is a 90 amino acid polypeptide that is the carboxy-terminal fragment of POMC. It stimulates melanocytes to produce melanin, and can also be cleaved into smaller peptides. In humans, g-lipotropin, a-MSH, b-MSH, g-MSH, a-endorphin, b-endorphin, g-endorphin, and met-enkephalin are all possible fragments of b-lipotropin. b-lipotropin also performs lipid-mobilizing functions such as lipolysis and steroidogenesis.
Product Categories/Family for anti-POMC antibody	beta-Endorphin

NCBI AND UNIPROT INFORMATION

NCBI GI #	119332
Molecular Weight	3,438 Da
NCBI Official Full Name	Beta-endorphin
UniProt Protein Name	Beta-endorphin
UniProt Gene Name	POMC
UniProt Entry Name	COLI_CAMDR

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/rat-antibody/beta-endorphin/76486>