



## Beta-Endorphin

**CATALOG NUMBER:** MUB0201S  
**SPECIES / ISOTYPE:** rabbit polyclonal Ig  
**PRODUCT FORM:** antiserum

### BACKGROUND

Beta-endorphin is an endogenous opioid peptide neurotransmitter found in the neurons of both the central and peripheral nervous system.

$\beta$ -endorphin is a peptide, 31 amino acids long, resulting from processing of the precursor proopiomelanocortin (POMC). (Note, POMC also gives rise to other peptide hormones, including ACTH (Adrenocorticotropic hormone), as well  $\alpha$ - and  $\gamma$ -MSH (Melanocyte-Stimulating Hormone), resulting from intracellular processing by internal enzymes known as prohormone convertases.  $\beta$ -Endorphin is found in cytoplasm of neuron cells of the hypothalamus, as well as the pituitary gland.

### SOURCE

This polyclonal B-Endorphin antibody is a rabbit polyclonal antibody. The rabbits were immunized with synthetic peptide.

### PRODUCT

Each vial contains 250 $\mu$ l of antiserum containing 0.09% sodium azide.

### SPECIFICITY

B-Endorphin works on paraffin and frozen sections. For paraffin sections no pretreatment required. 1:50 - 1:100 (Based on the Indirect method, with a normal ABC method the dilution can be 5-10x higher, but the optimal dilution should be tested by serial dilution). Dilute immediately before use with PBS or Tris

### SPECIES REACTIVITY

Pituitary gland.

### STORAGE

Store undiluted antibody at 2-8°C (until expiry date).  
For prolonged storage: store aliquots at -20°C.

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<b>WARNING and CAUTION</b>
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This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals.

This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water.

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