Product datasheet

Anti-beta Endorphin antibody [B 31.15] ab54205

Overview

Product name Anti-beta Endorphin antibody [B 31.15]
Description Mouse monoclonal [B 31.15] to beta Endorphin
Host species Mouse
Tested applications Suitable for: IHC-Fr
Species reactivity Reacts with: Human, Macaque monkey
Immunogen Full length native human beta Endorphin.

Properties

Form Liquid
Storage instructions Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer pH: 7.20
Preservative: 0.1% Sodium azide
Constituent: PBS
Purity Protein A purified
Clonality Monoclonal
Clone number B 31.15
Isotype IgG1

Applications

Our Abpromise guarantee covers the use of ab54205 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Abreviews</th>
<th>Notes</th>
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<td>IHC-Fr</td>
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<td>Use at an assay dependent concentration.</td>
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Target
Relevance

Beta-endorphin is an endogenous opioid peptide neurotransmitter found in the neurons of both the central and peripheral nervous system. β-endorphin is a peptide, 31 amino acids long, resulting from processing of the precursor pro-opiomelanocortin (POMC). β-endorphin is found in neurons of the hypothalamus as well as the pituitary gland. It is an agonist of the opioid receptors, with evidence suggesting that it serves as the endogenous ligand of the µ-opioid receptor, the same receptor to which the chemicals extracted from opium, such as morphine and codeine, have their analgesic and addictive effects.

Cellular localization

Secreted

Images

ab54205, staining beta Endorphin in anterior (upper) and intermediate (lower) lobes of Wistar rat pituitary gland tissue by Immunohistochemistry (Frozen sections).

Tissue was fixed with 4% paraformaldehyde, permeabilized with 0.5% Triton X-100 in PBS and blocked with 5% normal horse serum in PBS for 30 minutes. Samples were incubated with primary antibody (1/2000 in diluent) overnight at 4°C.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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