BMA BIOMEDICALS

Peninsula Laboratories

T-4276
Rabbit anti Dynorphin B (Rimorphin) [UniProt P01213]

Dynorphins are a class of opioid peptides. As their precursor Proenkephalin-B is cleaved during processing, its residues 207-223 (Dynorphin A) and 226-238 (Rimorphin, Dynorphin B) are released, among others.

Dynorphins contain a high proportion of basic and hydrophobic residues. They are widely distributed in the central nervous system, with highest concentrations in the hypothalamus, medulla, pons, midbrain, and spinal cord, where they are also produced. Dynorphins are stored in large dense-core vesicles characteristic of opioid peptides storage.

Dynorphins exert their effects primarily through the κ-opioid receptor (KOR), a G-protein-coupled receptor. They are part of the complex molecular changes in the brain leading to cocaine addiction. Dynorphins are important in maintaining homeostasis through appetite control, circadian rhythms and the regulation of body temperature. However, Dynorphin derivatives are generally considered to be of little clinical use because of their short duration of action.

This antibody was generated by immunization of rabbits with Dynorphin B coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO24052
Host species:	Rabbit IgG
Quantity:	50µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum; does not contain any preservative.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in immunohistochemistry (IHC). Other applications like ELISA, FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see **www.bma.ch** for protocols and general information.
Immunogen:	Synthetic peptide H-Tyr-Gly-Gly-Phe-Leu-Arg-Arg-Gln-Phe-Lys-Val-Val-Thr-OH coupled to carrier protein.

Cross-Reactivity:

Peptide:	**%:**
Dynorphin A	100
Dynorphin A (1-13)	0.43
Dynorphin A (1-8)	0
Dynorphin B	0
α-Neoendorphin	0
β-Endorphin (human)	0
Leu-Enkephalin	0

Related Products:
S-1203: Dynorphin A ELISA, high sensitivity for extracted samples
S-1204: Dynorphin A (1-8) ELISA, high sensitivity for extracted samples
S-1429: Dynorphin B ELISA, high sensitivity for extracted samples
S-1430: Dynorphin A (1-10) amide ELISA, hi sens. for extracted samples
S-1534: Dynorphin A (1-13) ELISA, high sensitivity for extracted samples
S-1536: Dynorphin A (3-14) ELISA, high sensitivity for extracted samples
T-4267: Dynorphin A, purified rabbit IgG
T-4271: Dynorphin A (1-8), purified rabbit IgG
T-4272: Dynorphin A (1-8), neat rabbit antiserum
T-4275: Dynorphin B, pruified rabbit IgG
T-4279: Dynorphin A (1-13), purified rabbit IgG
T-4280: Dynorphin A (1-13), neat rabbit antiserum
T-4283: Dynorphin A (1-10) amide, purified rabbit IgG
T-4284: Dynorphin A (1-10) amide, neat rabbit antiserum
T-4875: Dynorphin A (3-14) neat rabbit antiserum
T-5032: Dynorphin B, diluted guinea pig antiserum
T-5033: Dynorphin B, neat guinea pig antiserum

BMA BIOMEDICALS, Rheinstrasse 28-32, CH-4302 Augst (Switzerland)
Phone: +41 61 811 6222, Fax: +41 61 811 6006, info@bma.ch, www.bma.ch