



BMA BIOMEDICALS



Peninsula Laboratories

T-4271

Rabbit anti Dynorphin A (1-8)

Dynorphin is a 17-amino acid opioid peptide found in the mammalian central nervous system, including hypothalamus, striatum, hippocampus, and spinal cord. It has a strong affinity for opiate receptors and it arises from the precursor protein prodynorphin, which is cleaved during processing by proprotein convertase 2 (PC2), releasing multiple active peptides like dynorphin A, dynorphin B, and α/β -neoeendorphin. Dynorphin A (1–8) is a truncated form of dynorphin A. It is an agonist at the mu-, kappa-, and delta-opioid receptors and it has the highest binding affinity for the kappa-opioid receptor.

This antibody was generated by immunization of rabbits with Dynorphin A (1-8) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A09288
Host species:	Rabbit IgG
Quantity:	400 μ g
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a 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 ELISA against Dynorphin A (1-8). Other applications like immunohistochemistry (IHC), 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-Ile-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Dynorphin A (1-8)	100
Pro-dynorphin (209-240) (porcine)	<0.01
Dynorphin A	<0.01
Dynorphin A (1-13)	<0.01
Dynorphin B	0
β -Endorphin (porcine)	0
Met-Enkephalin	0
α -Neoendorphin (porcine)	0
Leu-Enkephalin-Arg	0

Related Products: S-1203: ELISA, high sensitivity for extracted samples
 T-4272: anti Dynorphin A (1-8), neat antiserum
 T-4270: anti Dynorphin A (1-8), diluted antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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rabbit IgG

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