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Antibody to BAM 12P
RABBIT POLYCLONAL

Catalog Number: AB-13
Quantity: 100 microliters
Format: Liquid antisera, no preservative
Host: Rabbit
Immunogen: synthetic replicate of BAM 12P

Background:

Bovine Adrenal Medulla Dodecapeptide (BAM 12P). This opioid peptide (κ -opiate receptor) is a COOH-terminal extended bovine adrenomedullary Met-enkephalin dodecapeptide with the structure Tyr-Gly-Gly-Phe-Met-Arg-Arg-Val-Gly-Arg-Pro-Glu-OH. This is a 12 amino acid fragment of the enkephalin precursor preproenkephalin A.

Specificity and Preparation:

This antibody recognizes mammalian BAM 12P. The immunogen is a synthetic replicate of BAM 12P. The antibody is routinely tested by dot blot.

Usage and Storage:

Applications include immunoblotting (1:4,000),² immunohistochemistry (frozen fixed sections; 1:20 to 1:200),¹ and radioimmunoassay (1:4,000).² Store the antibody at 4°C for one month or -20°C in undiluted aliquots for one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

References:

1. Bloch B, Baird A, Ling N, Benoit R, Guillemin R (1983) Immunohistochemical evidence that brain enkephalins arise from a precursor similar to adrenal preproenkephalin. *Brain Res* 263:251-257.
2. Baird A, Ling N, Bohlen P, Benoit R, Klepper R, Guillemin R. (1982) Molecular forms of the putative enkephalin precursor BAM-12P in bovine adrenal, pituitary, and hypothalamus. *Proc Natl Acad Sci USA* 79:2023-2025.