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Antibody to BAM 22P
RABBIT POLYCLONAL

Catalog Number: AB-12
Quantity: 100 microliters
Format: Liquid antisera, no preservative
Host: Rabbit
Immunogen: synthetic BAM 22P

Background:

Bovine Adrenal Medulla peptide (BAM 22P). This opioid peptide, a 22 amino acid fragment of the enkephalin precursor preproenkephalin A, binds with high affinity to all three known opioid receptors (m, k, and d), indicating a possible function in pain transmission. Recent studies have implicated BAM 22P in sensory neuron activation.

Specificity and Preparation:

This antibody recognizes mammalian BAM 22P. The immunogen is synthetic BAM 22P. The antibody is routinely tested by dot blot.

Usage and Storage:

Applications include immunoblotting (ATS in-house; 1:10,000), immunohistochemistry (frozen fixed sections; final dilution 1:200),² and radioimmunoassay (1:400,000).¹ 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. Baird A, Klepper R, Ling N (1984) *In vitro* and *in vivo* evidence that the C-terminus of preproenkephalin-A circulates as an 8500-Dalton molecule(41799). *Proc Soc Exp Biol Med* 175(3):304-308.
2. 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.