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AP09770PU-N Polyclonal Antibody to Morphine-6 - Ig Fraction

Alternate names: (5a, 4, 5-epoxy-17-methylmorphinan-3, 6-diol, 6a)-7, 8-didehydro-, Morphine 6

Quantity: 0.1 ml

Concentration: 8.0mg/ml (U.V. abs @ 280nm)

Background: Morphine is thought to produce reinforcement phenomena via stimulation of mu, delta, and kappa opioid receptors that regulate stress perception, pain control, reward behavior, and neurohormone secretion in reward-relevant brain systems. It has the highest affinity for mu, followed by delta and kappa. Rapid activation of the mu opioid receptor by morphine results in a euphoric phenotype, thus conferring the reinforcing effects of the drug. This activation is accompanied by extracellular dopamine release, which alters several events related to the cAMP signal transduction pathway. Of particular significance is that CREB seems to be modified by morphine, thereby affecting addictive behavioral phenomena, such as withdrawal symptoms.

Host / Isotype: Sheep / IgG

Immunogen: Morphine (6)-BSA

Format: **State:** Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures
Buffer System: 20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative

Applications: ELISA: 0.5µg/ml.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody reacts to Morphine (6).

Storage: Store the antibody at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.