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Datasheet for ABIN487780  
**anti-Morphine-3 antibody**

### Overview

Quantity:	1 mg
Target:	Morphine-3
Reactivity:	Please inquire
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Morphine-3 antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	Morphine (3)-BSA
Isotype:	IgG
Purification:	Ig Fraction

### Target Details

Target:	Morphine-3
Abstract:	<a href="#">Morphine-3 Products</a>
Target Type:	Chemical
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

## Target Details

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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. Synonyms: (5a, 3 Carboxymethyl Morphine, 4, 5-epoxy-17-methylmorphinan-3, 6-diol, 6a)-7, 8-didehydro-

## Application Details

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Application Notes: ELISA: 1.5 µg/mL.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 6.55mg/mL (U.V. abs at 280nm)

Buffer: 20 mM Phosphate, 150 mM Sodium Chloride, pH 7.2 containing 0.09 % Sodium Azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C