



Anti-Morphine polyclonal antibody (DPBT-68279SM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Sheep Anti MorphineSheep Anti Morphine
Specificity	DPBT-68279SM reacts with morphine and the related opiates: codeine, dihydrocodeine and morphine-3-glucuronide. Minimal reactivity has been observed with pethidine.
Immunogen	Morphine conjugated to Keyhole Limpet Haemocyanin.
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Chemical
Conjugate	Unconjugated
Applications	IHC, ELISA, WB
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Format	Purified IgG - liquid
Concentration	IgG concentration 5.0 mg/ml
Size	500 µl
Buffer	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Storage	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature

the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction

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.

Keywords

Morphine 6; Morphine; PSEUDOMORPHINE; MORPHINA; MORPHINE; MORPHINE BASE; EXTRACT OF OPIUM; CODEINE IMP B; cubejuice; D-(-)-Morphine; Dreamer; Dulcontin; Duramorph; Duromorph; Hardstuff; hocus; I-Morphine; Meconium; Morfina; Morph; Morphia; Morphin; Morphinism; Morphinum; Morphium; Morpho; ms-contin; msemma; Nepenthe; Ospalivina; Rms; roxanol; 2,2-bimorphine