



Anti-Buprenorphine/NorBuprenorphine polyclonal antibody (DPBT-68302SB)

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

PRODUCT INFORMATION

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| Product Overview | Sheep Anti Buprenorphine/Norbuprenorphine |
| Specificity | DPBT-68302SB recognises Buprenorphine and Norbuprenorphine. Buprenorphine is a semi-synthetic opiate first marketed as an analgesic. It is prescribed for the treatment of moderate to severe pain or for anaesthetic induction. It is available in transdermal patches for long-term treatment of pain not responding to non-opioids. It is also used in opioid dependence treatment as withdrawal symptoms are milder than those of methadone. Norbuprenorphine is the active, dealkylated metabolite of buprenorphine. It acts as a stronger partial agonist against the mu opioid receptor than buprenorphine, but it does not cross the blood-brain barrier easily. |
| Immunogen | Norbuprenorphine-bovine thyroglobulin. |
| Isotype | IgG |
| Source/Host | Sheep |
| Species Reactivity | Chemical |
| Conjugate | Unconjugated |
| Applications | ELISA |
| Preparation | Purified IgG prepared by caprylic acid and ammonium sulphate precipitation |
| Format | Purified IgG - liquid |
| Concentration | IgG concentration 1mg/ml |
| Size | 250 µg |
| Buffer | Phosphate buffered saline |

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| 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

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| Introduction | Buprenorphine (C ₂₉ H ₄₁ NO ₄) is a prescription medication for people addicted to heroin or other opiates that acts by relieving the symptoms of opiate withdrawal such as agitation, nausea and insomnia. Buprenorphine is more weakly addictive and has a lower risk of overdose than methadone. The effects last for about three days. |
| Keywords | Buprenorphine; BUPRENORPHINE BASE; Buprenorphine 6,14-ethenomorphinan-7-methanol,17-(cyclopropylmethyl)-alpha-(1,1-dimethylethy; l)-4,5-epoxy-18,19-dihydro-3-hydroxy-6-methoxy-alpha-methyl-, (5-alpha,7-alpha; rx6029m; BuprenorphineBase(Narcotic)C ₂₉ H ₄₁ No ₄ ,Edmf; Buprenorphine Base (Narcotic); Buprenex; CL-112302; Lepetan; NIH-8805; Subutex; Temgesi; UM-952; BUPRENOPHINE; Buprenorphine (base and/or unspecified salts); Methanol (test Buprenorphine,100ug/mL) |