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diagnostic or therapeutic use.**

EB06565 - Goat Anti-OPRM1 / MOR1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: OPRM1, MOR1, OPRM, opioid receptor, mu 1, mu opiate receptor, mu-type opioid receptor, KIAA0403

Official Symbol: OPRM1

Accession Number(s): NP_000905

Human GeneID(s): [4988](#)

Non-Human GeneID(s): 18390 (mouse), 25601 (rat)

Important Comments: This antibody is expected to recognise aa 451-462 of isoform MOR1 (NP_000905) of the human OPRM1 locus only and is not expected to recognise any other reported isoforms.

Immunogen

Peptide with sequence C-LENLEAETAPLP, from the internal region of the protein sequence according to NP_000905.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Preliminary experiments in Human, Mouse, and Rat Brain lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

Species Reactivity

Tested:

Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow

Background Reference

Bond C, LaForge KS, Tian M, Melia D, Zhang S, Borg L, Gong J, Schluger J, Strong JA, Leal SM, Tischfield JA, Kreek MJ, Yu L.

Single-nucleotide polymorphism in the human mu opioid receptor gene alters beta-endorphin binding and activity: possible implications for opiate addiction.

Proc Natl Acad Sci U S A. 1998 Aug 4;95(16):9608-13.

PMID: 9689128