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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB09023 - Goat Anti-OXT Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: OXT, oxytocin, prepro- (neurophysin I), MGC126890, MGC126892, OT, OT-NPI, oxytocin-neurophysin I, oxytocin-neurophysin I, preproprotein

Official Symbol: OXT

Accession Number(s): NP_000906.1

Human GeneID(s): [5020](#)

Immunogen

Peptide with sequence HADPACDAEATFSQR, from the C Terminus of the protein sequence according to NP_000906.1.

Please note the [peptide](#) is available for sale.

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 1:4000.

Western blot: Preliminary experiments in Human Brain (Cerebellum, Amygdala) 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?

IHC: Frozen section of Human Hypothalamus shows staining of magnocellular oxytocin neurons in the supraoptic nucleus. Recommended concentration, 0.05-0.15µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

EB09023 (0.05µg/ml) staining of PFA-perfused cryosection of Human Hypothalamus. Antigen retrieval with citrate buffer pH 6 at 80C for 30min, HRP-staining with Ni-DAB after Biotin-SP-antigoat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.