

Goat anti-OXT Antibody

Item Number	dAP-1744
Target Molecule	Principle Name: OXT; Official Symbol: OXT; All Names and Symbols: OXT; oxytocin, prepro- (neurophysin I); MGC126890; MGC126892; OT; OT-NPI; oxytocin-neurophysin I; oxytocin-neurophysin I, preproprotein; Accession Number (s): NP_000906.1; Human Gene ID(s): 5020; Non-Human GeneID(s):
Immunogen	HADPACDAEATFSQR, is from C Terminus
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 4000.
Western Blot	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 rep
IHC	Immunohistochemistry: Frozen section of Human Hypothalamus shows staining of magnocellular oxytocin neurons in the supraoptic nucleus. Recommended concentration, 0.05-0.15µg/ml.
Reference	Reference(s): Meynen G, Unmehopa UA, Hofman MA, Swaab DF, Hoogendoijk WJ. Hypothalamic oxytocin mRNA expression and melancholic depression. Mol Psychiatry. 2007 Feb;12(2):118-9. No abstract available.. PMID: 17252002->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**