

## Goat anti-OXT Antibody

<b>Item Number</b>	dAP-1744
<b>Target Molecule</b>	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):
<b>Immunogen</b>	HADPACDAEATFSQR, is from C Terminus
<b>Applications</b>	Pep ELISA, IHC Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	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
<b>IHC</b>	Immunohistochemistry: Frozen section of Human Hypothalamus shows staining of magnocellular oxytocin neurons in the supraoptic nucleus. Recommended concentration, 0.05-0.15µg/ml.
<b>Reference</b>	Reference(s): Meynen G, Unmehopa UA, Hofman MA, Swaab DF, Hoogendijk 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 ender users! This product is sold for **Research Use Only**