

Product datasheet for **TA363938**

Oxytocin neurophysin 1 (OXT) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Oxytocin. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human, Mammalian
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH ₂ , (Disulfide bond) coupled to carrier protein.
Formulation:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	oxytocin/neurophysin I prepropeptide
Database Link:	Entrez Gene 5020 Human P01178
Background:	Oxytocin is a neuropeptide hormone produced by the hypothalamus and secreted by the pituitary gland. It is derived by enzymatic cleavage from the peptide precursor encoded by the human OXT gene. Oxytocin is released into the bloodstream as a hormone in response to stretching of the cervix and uterus during labor and it plays an important role in the childbirth. This antibody was generated by immunization of rabbits with Oxytocin coupled to a carrier protein.
Synonyms:	MGC126890; MGC126892; OT; OT-NPI



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