



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Oxytocin

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4082 (Lot A03185)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human, Mouse, Rat, Porcine, Bovine, Chicken, Vertebrate, Monkey, Rabbit, Others
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock 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. Reconstitute by adding 1.0 ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH ₂ , (Disulfide bond) coupled to carrier protein.
Protein database:	<u>human-P01178</u> , <u>mouse-P35454</u> , <u>rat-P01179</u> , <u>porcine-P01177</u> , <u>ovine-P13389</u> , <u>bovine-P01175</u>
Cross-Reactivity:	

PEPTIDE	%
Oxytocin	100
[Lys ⁸] Vasopressin	0
[Arg ⁸]-Vasopressin	0
Human Growth Hormone	0
LHRH	0
CRF (human, rat)	0

Cross-Reactivity:

PEPTIDE	%
Met-Enkephalin	0
VIP (human, bovine, porcine, rat)	0
PACAP-27 (human, ovine, rat, mouse, porcine)	0

Applications:

Tested 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.

Please see **bma.ch** for protocols and general information.

Related Products:

S-1176: ELISA high sensitivity for extracted samples

S-1355: ELISA extraction-free for serum and plasma samples

T-4083: Rabbit anti Oxytocin, purified IgG

T-4084: Rabbit anti Oxytocin, neat antiserum

T-5021: Guinea pig anti Oxytocin, neat antiserum

This product contains sodium azide as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.