



BMA BIOMEDICALS



Peninsula Laboratories

Guinea pig 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 process and also helps with male reproduction. Oxytocin is derived by enzymatic cleavage from the peptide precursor encoded by the human OXT gene.

This antibody was generated by immunization of guinea pigs with Oxytocin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-5021 (Lot A18PO23003)
Clonality:	Polyclonal
Host species:	Guinea pig
Reactivity:	Human, bovine, mouse, porcine, rat
Quantity:	50µl
Format:	Neat undiluted antiserum, lyophilized.
	Reconstitute by adding 50µl of distilled water. This will give the equivalent of undiluted antiserum. Avoid vortexing.
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-Phe-Gln-Asn-Cys-Pro-Arg-Gly-NH ₂ , (disulfide bond) coupled to carrier protein.
Protein database:	<u>human-P01178</u> , <u>bovine-P01175</u> , <u>mouse-P35454</u> , <u>porcine-P01177</u> , <u>rat-P01179</u>
Applications:	Tested in immunohistochemistry (IHC). Other applications like ELISA, FACS, and Western blot may work as well. Approximate working dilution for IHC: Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended Optimal dilutions should be determined by the end user Please see www.bma.ch for protocols and general information

Related Products:

T-4562: Rabbit anti Oxytocin, purified antiserum
T-4563: Rabbit anti Oxytocin, neat antiserum
S-1234: ELISA high sensitivity for extracted samples
S-1357: ELISA extraction-free for human samples
S-1358: ELISA extraction-free for rat samples

This product contains no preservative and is intended for laboratory use and research purposes only.
Not for diagnostic or therapeutic applications.