

Oxytocin Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56749

Specification

Oxytocin Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P01178
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	1 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Oxytocin
Epitope Specificity	20-28/125
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted
SIMILARITY	Belongs to the vasopressin/oxytocin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a precursor protein that is processed to produce oxytocin and neurophysin I. Oxytocin is a posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into the bloodstream. The precursor seems to be activated while it is being transported along the axon to the posterior pituitary. This hormone contracts smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. [provided by RefSeq, Dec 2013]

Oxytocin Polyclonal Antibody - Additional Information

Gene ID 5020

Other Names

Oxytocin-neurophysin 1, OT-NPI, Oxytocin, Ocytocin, Neurophysin 1, OXT, OT

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A

="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Oxytocin Polyclonal Antibody - Protein Information

Name OXT

Synonyms OT

Function

Neurophysin 1 specifically binds oxytocin.

Cellular Location

Secreted.

Oxytocin Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Oxytocin Polyclonal Antibody - Images