



## Rabbit Anti-Oxytocin antibody

SL17581R

<b>Product Name:</b>	Oxytocin
<b>Chinese Name:</b>	催产素抗体
<b>Alias:</b>	MGC126890; MGC126892; NEU1_HUMAN; Neurophysin 1; Neurophysin 1 Precursor; Neurophysin I; Ocytocin; OT; OT NPI; OXT; Oxy; Oxytocin neurophysin 1 precursor; Oxytocin Neurophysin preproprotein; Oxytocin prepro (neurophysin I); Oxytocin prepropeptide; Oxytocin-neurophysin 1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,Guinea Pig,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	1.0kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Oxytocin:20-28/125
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]

**Function:**

Neurophysin 1 specifically binds oxytocin.  
Oxytocin causes contraction of the smooth muscle of the uterus and of the mammary gland.

**Subcellular Location:**

Secreted

**Similarity:**

Belongs to the vasopressin/oxytocin family.

**SWISS:**

P01178

**Gene ID:**

5020

**Database links:**

[Entrez Gene: 5020](#) Human

[Entrez Gene: 18429](#) Mouse

[Entrez Gene: 25504](#) Rat

[Omid: 167050](#) Human

[SwissProt: P01178](#) Human

[SwissProt: P35454](#) Mouse

[SwissProt: P01177](#) Pig

[SwissProt: P13389](#) Sheep

[Unigene: 113216](#) Human

[Unigene: 48915](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)