

Product datasheet

Anti-Oxytocin-neurophysin 1 antibody [EPR4665]  
 ab124771

Recombinant RabMAb

1 Image

Overview

<b>Product name</b>	Anti-Oxytocin-neurophysin 1 antibody [EPR4665]
<b>Description</b>	Rabbit monoclonal [EPR4665] to Oxytocin-neurophysin 1
	<div style="border: 1px solid #ccc; background-color: #e6f2ff; padding: 10px;"> <p><span>ⓘ</span> This product is a <a href="#">fast track antibody</a>. It has been affinity purified and shows high titre values against the immunizing peptide by ELISA. <a href="#">Read the terms of use »</a></p> </div>
<b>Host species</b>	Rabbit
<b>Immunogen</b>	Synthetic peptide within Human Oxytocin-neurophysin 1 aa 1-100. The exact sequence is proprietary. The immunogen is within the oxytocin cleaved unit. Database link: <a href="#">P01178</a>
<b>General notes</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> . This product is a <a href="#">recombinant rabbit monoclonal antibody</a> .

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR4665
<b>Isotype</b>	IgG

Applications

Fast track antibodies constitute a diverse group of products that have been released to accelerate your research, but are not yet fully characterized. They have all been affinity purified and show high titre values against the immunizing peptide (by ELISA).

[Fast track terms of use](#)

Application	Abreviews	Notes
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ELISA		Use at an assay dependent dilution.
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## Target

### Relevance

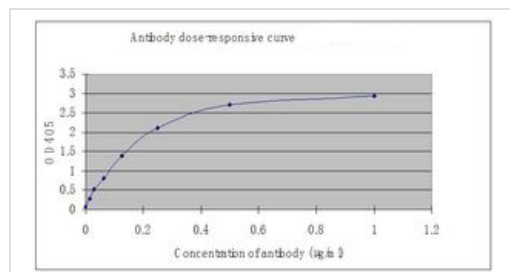
Neurophysin 1 specifically binds oxytocin. Oxytocin causes contraction of the smooth muscle of the uterus and of the mammary gland. Oxytocin is a posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, 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. Oxytocin 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.

### Cellular localization

Secreted

## Images

This Fast-Track antibody is not yet fully characterised. These images represent **inconclusive preliminary data**.



ELISA image demonstrating the relationship between the concentration of antibody and optical density readings.

ELISA - Anti-Oxytocin-neurophysin 1 antibody  
[EPR4665] (ab124771)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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