

Product datasheet

Anti-Oxytocin-neurophysin 1 antibody [EPR4665]
ab124771

Recombinant RabMAb

2 Images

Overview

Product name	Anti-Oxytocin-neurophysin 1 antibody [EPR4665]
Description	Rabbit monoclonal [EPR4665] to Oxytocin-neurophysin 1
	<p> ⓘ This product is a fast track antibody. It has been affinity purified and shows high titre values against the immunizing peptide by ELISA.</p> <p style="text-align: right;">Read the terms of use »</p>
Host species	Rabbit
Immunogen	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: P01178
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR4665
Isotype 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
ELISA		Use at an assay dependent dilution.

Target

Relevance

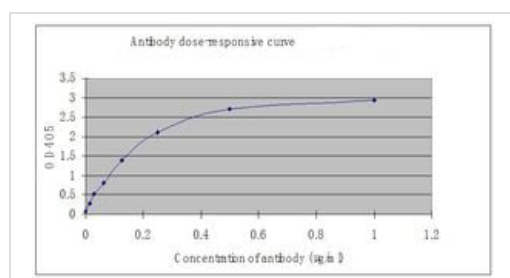
Neurophysin 1 specifically binds oxytocin. Oxytocin causes contraction of the smooth muscle of the uterus and of the mammary gland. Oxytocin is a posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin,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

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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