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Datasheet for ABIN2777015  
**anti-OXT antibody (N-Term)**

1 Image

Overview

Quantity:	100 µL
Target:	OXT
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Guinea Pig, Horse, Rabbit, Sheep, Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OXT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	LGLLALTSAC YIQNCPLGGK RAAPDLVVRK CLPCGPGGKG RCFGNICCA
Predicted Reactivity:	Cow: 85%, Dog: 92%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 79%, Rabbit: 86%, Rat: 93%, Sheep: 85%
Characteristics:	This is a rabbit polyclonal antibody against OXT. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	OXT
Alternative Name:	OXT ( <a href="#">OXT Products</a> )
Background:	There are two proteins encoded by this gene, oxytocin and neurophysin I. Oxytocin is posterior

## Target Details

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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.

Alias Symbols: MGC126890, MGC126892, OT, OT-NPI

Protein Interaction Partner: TXNDC17, ESR2, PREP, OXTR, KMT2A,

Protein Size: 125

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Molecular Weight: 9 kDa

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Gene ID: 5020

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NCBI Accession: [NM\\_000915](#), [NP\\_000906](#)

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UniProt: [P01178](#)

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Pathways: [Myometrial Relaxation and Contraction](#), [Feeding Behaviour](#)

## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 125 AA

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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## Handling

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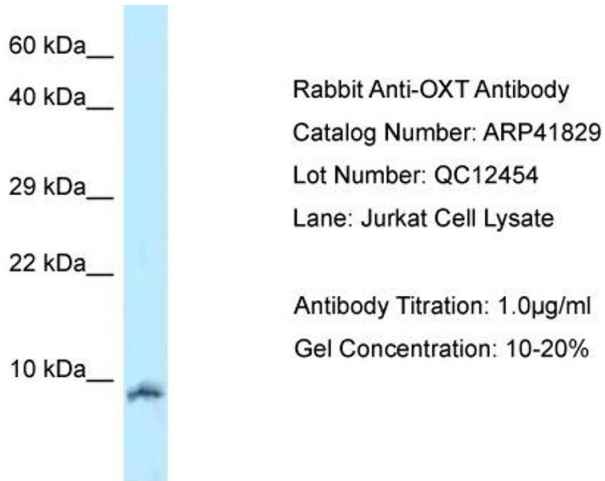
Storage: -20 °C

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Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images

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### Western Blotting

**Image 1.** Host: Rabbit Target Name: OXT Sample Tissue: Human Jurkat Antibody Dilution: 1ug/ml