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## Datasheet for ABIN7269141 **anti-OXT antibody (AA 1-125)**

### 1 Image

#### Overview

Quantity:	100 µL
Target:	OXT
Binding Specificity:	AA 1-125
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OXT antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Purpose:	OXT Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-125 of human OXT (NP_000906.1).
Sequence:	MAGPSLACCL LGLLALTSAC YIQNCPLGGK RAAPDLVVRK CLPCGPGGKG RCFGNICCA EELGCFVGTA EALRCQEENY LPSPCQSGQK ACGSGGRCVAV LGLCCSPDGC HADPACDAEA TFSQR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	OXT
Alternative Name:	OXT ( <a href="#">OXT Products</a> )
Background:	<p>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.,OXT,OT,OT-NPI,OXT-NPI,Neuroscience,OXT</p>
Molecular Weight:	12kDa
Gene ID:	5020
UniProt:	<a href="#">P01178</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Feeding Behaviour</a>

## Application Details

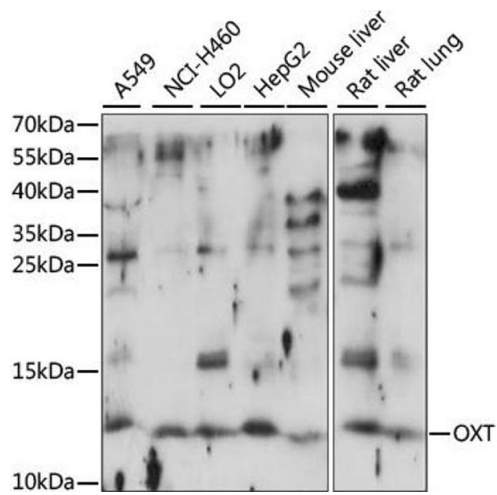
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Application Notes:	WB,1:200 - 1:2000
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using OXT antibody (ABIN7269141) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.