

Datasheet for ABIN7222882
anti-OXT antibody (Internal Region)



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Overview

Quantity:	100 µL
Target:	OXT
Binding Specificity:	Internal Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OXT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Neurophysin I Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the Internal region of human Neurophysin I
Isotype:	IgG
Specificity:	Neurophysin I Polyclonal Antibody detects endogenous levels of Neurophysin I protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	OXT
Alternative Name:	Neurophysin I (OXT Products)

Target Details

Background:	Rabbit Anti-Neurophysin I Polyclonal Antibody,OXT, OT, Oxytocin-neurophysin 1, OT-NPI,OXT 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.,Oxytocin-neurophysin 1
Molecular Weight:	observed band 19kDa
Gene ID:	5020
UniProt:	P01178
Pathways:	Myometrial Relaxation and Contraction , Feeding Behaviour

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:20000). Not yet tested in other applications.
Comment:	Primary Antibody
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
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:	Stable for one year at -20°C from date of shipment. For maximum recovery of product,

centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.