

Datasheet for ABIN953964

anti-Oxytocin antibody (Middle Region)**3** Images[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	Oxytocin (OXT)
Binding Specificity:	AA 19-48, Middle Region
Reactivity:	Please inquire
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Oxytocin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 19~48 amino acids from the Central region of Human Ocytocin Genename: NEU1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Ocytocin (Center). Other species not tested.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	Oxytocin (OXT)
Alternative Name:	Oxytocin (OXT Products)

Target Details

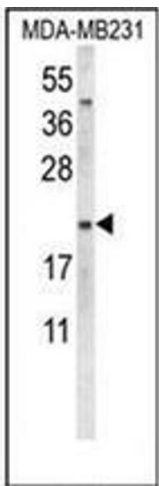
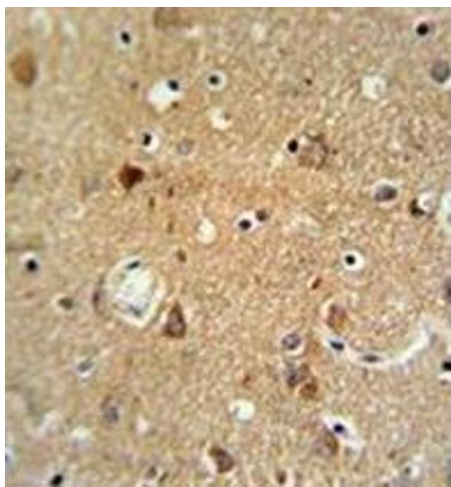
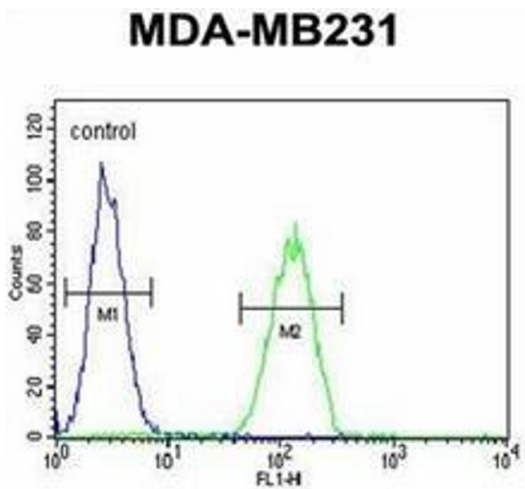
Target Type:	Hormone
Background:	There are two proteins encoded by this gene, oxytocin and neurophysin I. Oxytocin is posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into 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.Synonyms: OXT, Ocytocin
Molecular Weight:	12722 Da
Gene ID:	5020
NCBI Accession:	NP_000906
Pathways:	Myometrial Relaxation and Contraction , Feeding Behaviour

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of MDA-MB231 cells using Oxytocin Antibody (Center) Cat.-No AP52854PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded brain tissue reacted with Oxytocin Antibody (Center) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining.

Western Blotting

Image 3. Western blot analysis of Oxytocin Antibody (Center) in MDA-MB231 cell line lysates (35ug/lane).