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Datasheet for ABIN185600

anti-Oxytocin Receptor antibody (Internal Region)

3 Images

Overview

Quantity:	100 µg
Target:	Oxytocin Receptor (OXTR)
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Oxytocin Receptor antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Oxytocin Receptor
Immunogen:	Peptide with sequence C-LRTTRQKHSRL, from the internal region of the protein sequence according to NP_000907.2.
Sequence:	LRTTRQKHSR L
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

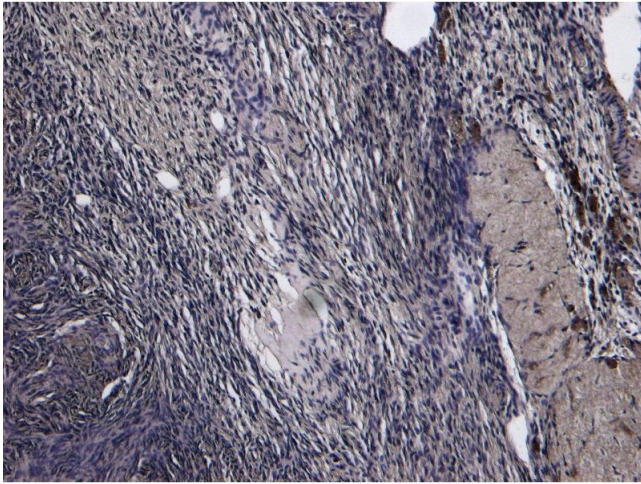
Target:	Oxytocin Receptor (OXTR)
Alternative Name:	OXTR (OXTR Products)
Background:	OXTR, oxytocin receptor, OT-R, OTR
Gene ID:	5021, 18430, 25342
NCBI Accession:	NP_000907
Pathways:	Myometrial Relaxation and Contraction , Feeding Behaviour

Application Details

Application Notes:	<p>Immunohistochemistry: Paraffin embedded Human Ovary. Recommended concentration: 8 μg/mL.</p> <p>Western Blot: Preliminary experiments showed bands at 55 kDa and 26 kDa in Human Ovary and Breast lysates. Both bands were successfully blocked by incubation with the immunizing peptide at antibody concentration 2 μg/m).</p> <p>Peptide ELISA: antibody detection limit dilution 1:64000.</p>
Comment:	Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.
Restrictions:	For Research Use only

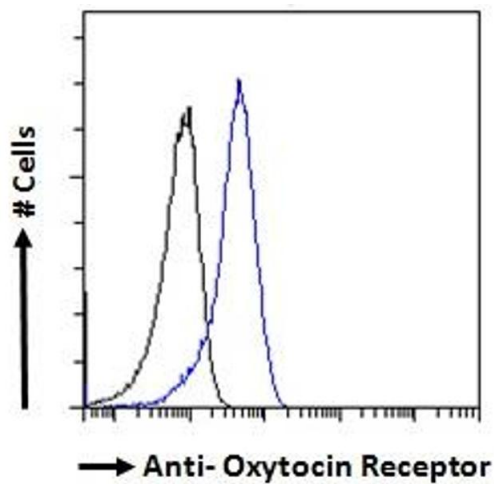
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Immunohistochemistry

Image 1. (ABIN185600) Negative Control showing staining of paraffin embedded Human Ovary, with no primary antibody.



Flow Cytometry

Image 2. ABIN185600 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) f



Immunohistochemistry

Image 3. (ABIN185600) (8 μ g/mL) staining of paraffin embedded Human Ovary. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.