

Datasheet for ABIN7043419

## anti-Oxytocin Receptor antibody (C-Term, Intracellular)



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### 2 Images

#### Overview

Quantity:	25 µL
Target:	Oxytocin Receptor (OXTR)
Binding Specificity:	AA 346-358, C-Term, Intracellular
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Oxytocin Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CSARYLKGSRPGE, corresponding to amino acid residues 346-358 of rat Oxt <sub>r</sub>
Isotype:	IgG
Cross-Reactivity (Details):	Not recommended for use with human samples.
Characteristics:	Anti-Oxytocin Receptor Antibody is directed against an epitope of the rat Oxytocin receptor. Anti-Oxytocin Receptor Antibody (ABIN7043419, ABIN7045341 and ABIN7045342)) can be used in western blot analysis. It has been designed to recognize the oxytocin receptor from rat and mouse samples. The antibody is not recommended for use with human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

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Target:	Oxytocin Receptor (OXTR)
Alternative Name:	Oxytocin Receptor ( <a href="#">OXTR Products</a> )
Background:	Alternative names: Oxytocin Receptor, OXTR, OT-R, OTR1
Gene ID:	25342
NCBI Accession:	<a href="#">NM_000916</a>
UniProt:	<a href="#">P70536</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Feeding Behaviour</a>

## Application Details

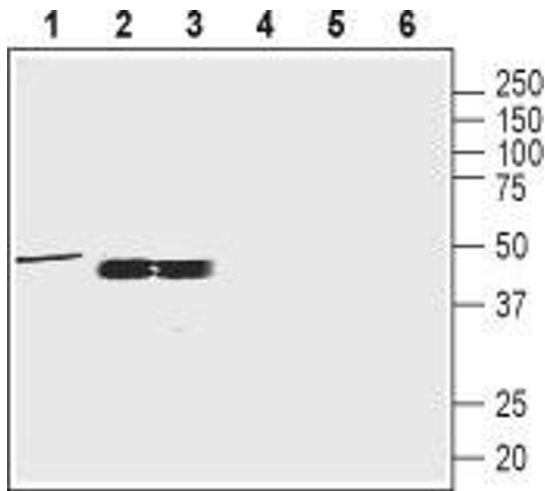
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

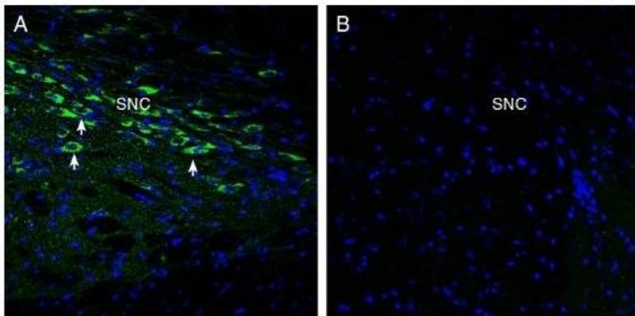
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Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium 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:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



### Western Blotting

**Image 1.** Western blot analysis of rat brain membrane (1:200), rat testis and mouse testis lysates (1:400): - 1-3. Anti-Oxytocin Receptor Antibody (ABIN7043419, ABIN7045341 and ABIN7045342). 4-6. Anti-Oxytocin Receptor Antibody preincubated with Oxytocin Receptor Blocking Peptide (#BLP-VR013).



### Immunohistochemistry

**Image 2.** Expression of Oxytocin Receptor in rat midbrain. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-Oxytocin Receptor Antibody (ABIN7043419, ABIN7045341 and ABIN7045342), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. Oxytocin Receptor immunoreactivity (green) appears in neuronal profiles (arrows) in the substantia nigra pars compacta (SNC). B. Pre-incubation of the antibody with Oxytocin Receptor Blocking Peptide (#BLP-VR013), suppressed staining. Cell nuclei are stained with DAPI (blue).