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# Anti-Oxytocin Receptor Rabbit Monoclonal Antibody

**Catalog # ABO15661**

## Specification

### Anti-Oxytocin Receptor Rabbit Monoclonal Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC** |
| Primary Accession | P30559 |
| Host | **Rabbit** |
| Isotype | **IgG** |
| Reactivity | **Rat, Human, Mouse** |
| Clonality | **Monoclonal** |
| Format | **Liquid** |

**Description**
Anti-Oxytocin Receptor Rabbit Monoclonal Antibody . Tested in WB, IHC application. This antibody reacts with Human, Mouse, Rat.

### Anti-Oxytocin Receptor Rabbit Monoclonal Antibody - Additional Information

**Gene ID** 5021

**Other Names**
Oxytocin receptor, OT-R, OXTR

**Calculated MW**
43 kDa KDa

**Application Details**
WB 1:500-1:2000<br>IHC 1:50-1:200

**Contents**
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**
A synthesized peptide derived from human Oxytocin Receptor

**Purification**
Affinity-chromatography

| | |
|---|---|
| Storage | **Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.** |

### Anti-Oxytocin Receptor Rabbit Monoclonal Antibody - Protein Information

**Name** OXTR

**Function**
Receptor for oxytocin. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system.

**Cellular Location**
Cell membrane; Multi-pass membrane protein.

## Anti-Oxytocin Receptor Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-Oxytocin Receptor Rabbit Monoclonal Antibody - Images

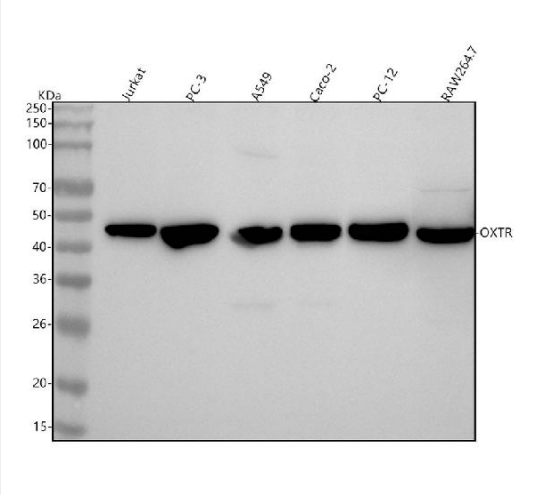


Figure 1. Western blot analysis of OXTR using anti-OXTR antibody (M01566).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Jurkat whole cell lysates,
Lane 2: human PC-3 whole cell lysates,
Lane 3: human A549 whole cell lysates,
Lane 4: human Caco-2 whole cell lysates,
Lane 5: rat PC-12 whole cell lysates,
Lane 6: mouse RAW264.7 whole cell lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-OXTR antigen affinity purified monoclonal antibody (Catalog # M01566) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog #

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EK1002) with Tanon 5200 system. A specific band was detected for OXTR at approximately 43 kDa. The expected band size for OXTR is at 43 kDa.

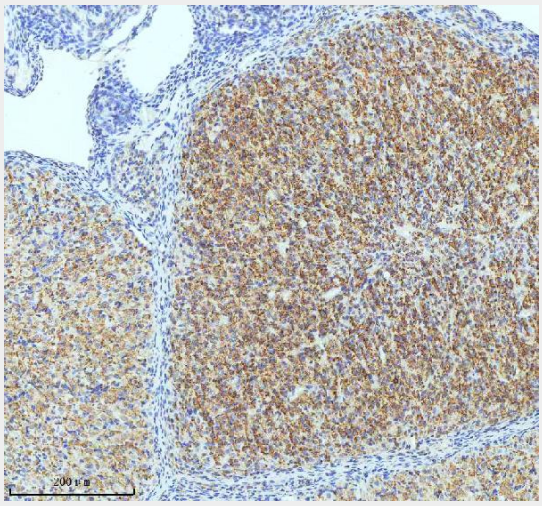

Figure 2. IHC analysis of OXTR using anti-OXTR antibody (M01566).
OXTR was detected in a paraffin-embedded section of rat ovary tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-OXTR Antibody (M01566) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

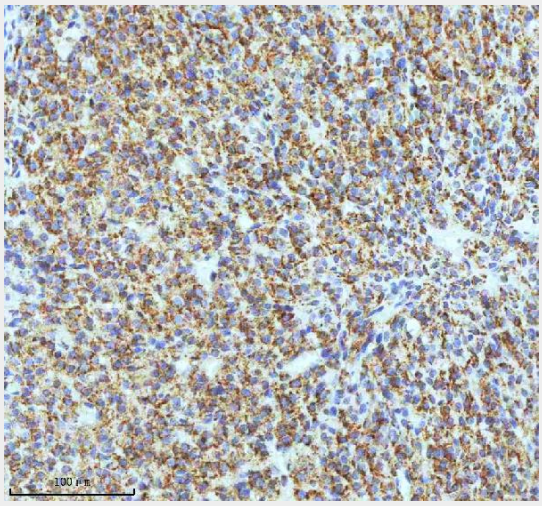

Figure 3. IHC analysis of OXTR using anti-OXTR antibody (M01566).
OXTR was detected in a paraffin-embedded section of rat ovary tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-OXTR Antibody (M01566) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.