

**OXTR Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17658a**

**Specification**

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**OXTR Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P30559</a>
Other Accession	<a href="#">NP_000907.2</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42772
Antigen Region	8-36

**OXTR Antibody (N-term) - Additional Information**

**Gene ID** 5021

**Other Names**

Oxytocin receptor, OT-R, OXTR

**Target/Specificity**

This OXTR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-36 amino acids from the N-terminal region of human OXTR.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

OXTR Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OXTR Antibody (N-term) - 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

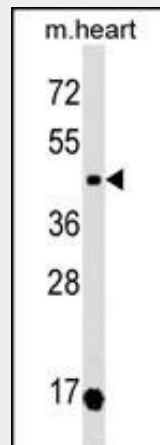
Cell membrane; Multi-pass membrane protein.

### OXTR Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### OXTR Antibody (N-term) - Images



OXTR Antibody (N-term) (Cat. #AP17658a) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the OXTR antibody detected the OXTR protein (arrow).

### OXTR Antibody (N-term) - Background

The protein encoded by this gene belongs to the G-protein coupled receptor family and acts as a receptor for oxytocin. Its activity is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. The oxytocin-oxytocin receptor system plays an important role in the uterus during parturition.

### OXTR Antibody (N-term) - References

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :  
Kim, H.S., et al. Proc. Natl. Acad. Sci. U.S.A. 107(36):15717-15721(2010)  
Thompson, R.J., et al. Psychoneuroendocrinology (2010) In press :  
Tost, H., et al. Proc. Natl. Acad. Sci. U.S.A. 107(31):13936-13941(2010)  
Amrani, Y., et al. Respir. Res. 11, 104 (2010) :

### OXTR Antibody (N-term) - Citations

- [Tph2<sup>-/-</sup> female mice restore socio-sexual recognition through upregulating ER \$\alpha\$  and OTR genes in the amygdala.](#)

