

# OXTR Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17658a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P30559</a>
<b>Other Accession</b>	<a href="#">NP_000907.2</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB36838
<b>Calculated MW</b>	42772
<b>Antigen Region</b>	8-36

## Additional Information

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<b>Gene ID</b>	5021
<b>Other Names</b>	Oxytocin receptor, OT-R, OXTR
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	OXTR Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	OXTR
<b>Function</b>	Receptor for oxytocin. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system.
<b>Cellular Location</b>	Cell membrane; Multi-pass membrane protein.

## Background

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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.

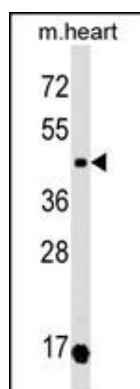
## References

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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) :

## Images

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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).

## Citations

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- [Tph2-/- female mice restore socio-sexual recognition through upregulating ERα and OTR genes in the amygdala.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.