

Datasheet for ABIN674844

anti-Oxytocin Receptor antibody (AA 325-388)



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Overview

Quantity:	100 µL
Target:	Oxytocin Receptor (OXTR)
Binding Specificity:	AA 325-388
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Oxytocin Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse oxytocin receptor
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	Oxytocin Receptor (OXTR)
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Target Details

Abstract:	OXTR Products
Background:	Synonyms: OTR, Oxytocin receptor, OT-R, Oxt Background: Receptor for oxytocin. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system.
Gene ID:	18430
UniProt:	P97926
Pathways:	Myometrial Relaxation and Contraction , Feeding Behaviour

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IF(IHC-P) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Liu, Xie, Xiao, Gao, Gao, Zhang, Han, Yuan, Weng: "Seasonal expressions of oxytocin and oxytocin receptor in epididymis of the male muskrat (<i>Ondatra zibethicus</i>).\" in: Theriogenology ,
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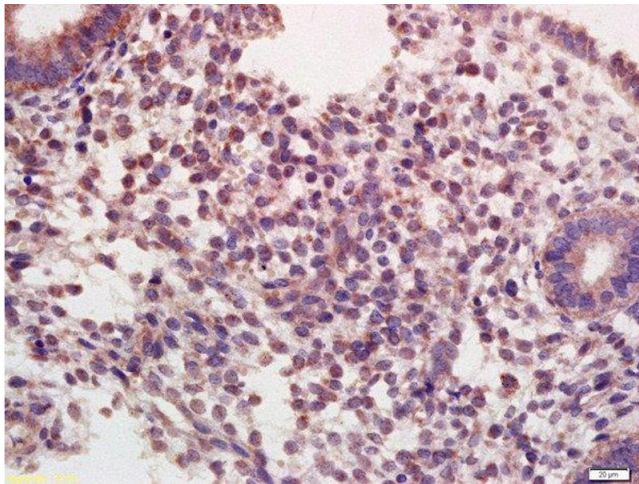
Vol. 124, pp. 24-31, (2019) ([PubMed](#)).

Zhang, Liu, Wang, Xie, Sheng, Zhang, Yuan, Han, Weng: "Seasonal Expression of Oxytocin and Oxytocin Receptor in the Scented Gland of Male Muskrat (*Ondatra zibethicus*)." in: **Scientific reports**, Vol. 7, Issue 1, pp. 16627, (2018) ([PubMed](#)).

Huang, Li, Guo, Yu, Xu, Wei: "The abnormal expression of oxytocin receptors in the uterine junctional zone in women with endometriosis." in: **Reproductive biology and endocrinology : RB&E**, Vol. 15, Issue 1, pp. 1, (2017) ([PubMed](#)).

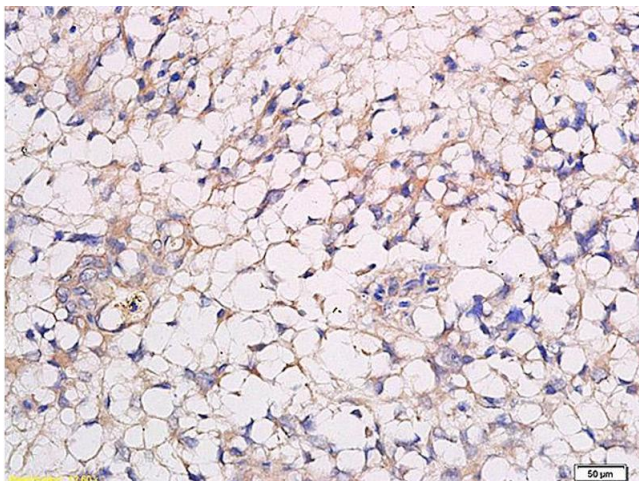
Zhang, Yu, Sun, Li, Cheng, Duan: "Expression of oxytocin receptors in the uterine junctional zone in women with adenomyosis." in: **Acta obstetrica et gynecologica Scandinavica**, (2015) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded human endometrium labeled with Rabbit Anti-Oxytocin R Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human endometrial cancer labeled with Anti Oxytocin R Polyclonal Antibody, unconjugated (ABIN674844) at 1:200 followed by incubation with conjugated secondary antibody and DAB staining