




Rabbit Anti-Oxytocin R antibody

SL1314R

Product Name:	Oxytocin R
Chinese Name:	催产素受体(缩宫素受体)抗体
Alias:	Oxytocin R; OT R; OT-R; OTR 1; OTR; OTR1; OXT R; OXTR; Oxytocin receptor; OXYR_HUMAN.
文献引用 	<p>Specific References(2) SL1314R has been referenced in 2 publications.</p> <p>[IF=2.00]Zhang, Ying, et al. "Expression of oxytocin receptors in the uterine junctional zone in women with adenomyosis." Acta Obstetrica et Gynecologica Scandinavica (2015).IHC-P;Human. PubMed:25627343</p> <p>[IF=2.15]Huang, Miaomaio, et al. "The abnormal expression of oxytocin receptors in the uterine junctional zone in women with endometriosis." Reproductive Biology and Endocrinology 15.1 (2017): 1.IHC-P;Human. PubMed:28049501</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	43kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse oxytocin receptor:325-

	388/388<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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. Oxytocin receptor has been reported in breast, central nervous system, heart, ovary, placenta, prostate, salivary gland, testis, uterus, and vessel.</p> <p>Subcellular Location: Cell membrane; Multi-pass membrane protein.</p> <p>Similarity: Belongs to the G-protein coupled receptor 1 family. Vasopressin/oxytocin receptor subfamily.</p> <p>SWISS: P97926</p> <p>Gene ID: 18430</p> <p>Database links:</p> <p>Entrez Gene: 281371Cow Entrez Gene: 5021Human Entrez Gene: 18430Mouse Entrez Gene: 397092Pig Entrez Gene: 25342Rat Oimim: 167055Human SwissProt: P56449Cow SwissProt: P30559Human SwissProt: P97926Mouse SwissProt: P32306Pig</p>

[SwissProt: P70536](#)Rat

[SwissProt: Q28756](#)Sheep

[Unigene: 2820](#)Human

[Unigene: 333310](#)Mouse

[Unigene: 6841](#)Rat

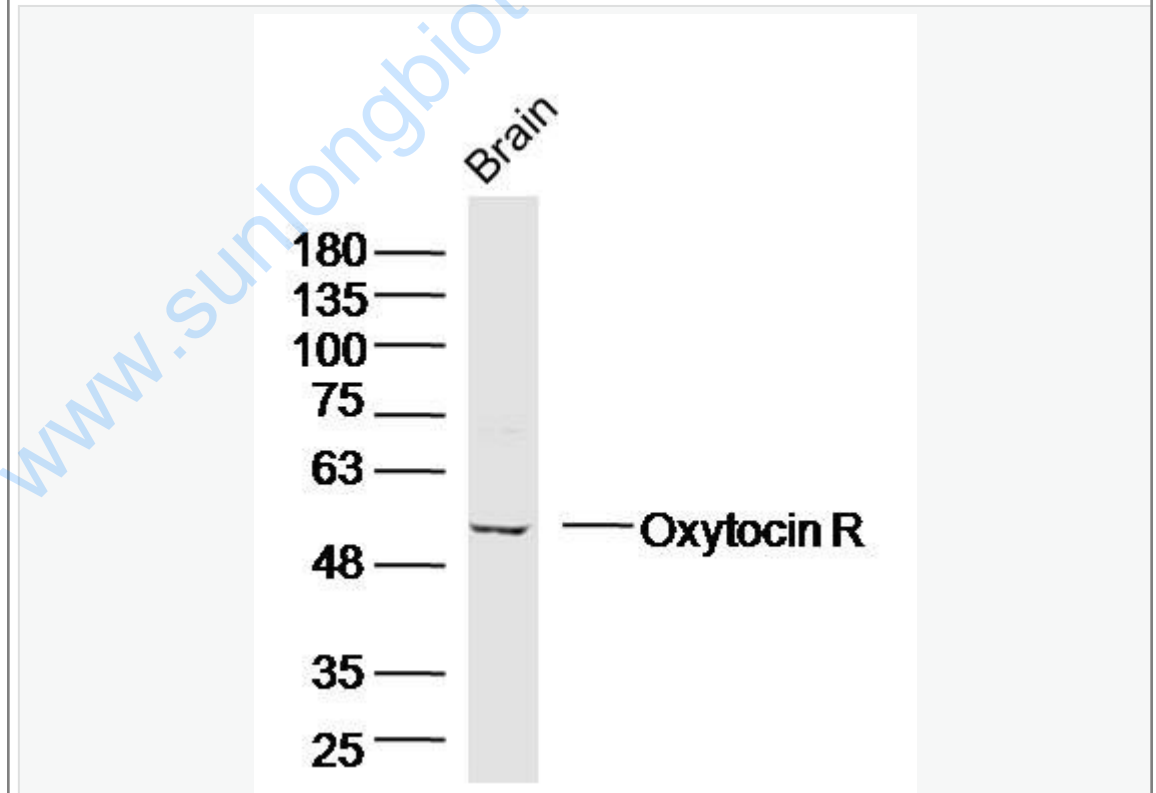
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

OTR在人的子宫平滑肌The cell

membrane上有缩宫素受体, 缩宫素引起子宫收缩的机制可能是通过激活缩宫素受体而实现的。经研究发现, 缩宫素受体在外周组织和中枢神经系统内均有分布。缩宫素与不同组织、细胞上的缩宫素受体结合, 通过多种Signal transduction途径而发挥作用。

Picture:



Sample:

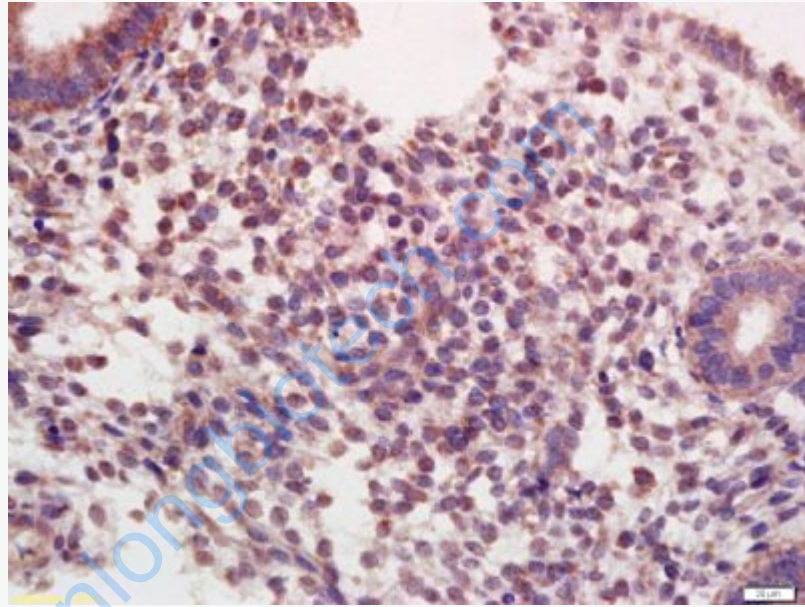
Brain (Mouse) Lysate at 40 ug

Primary: Anti-Oxytocin R (SL1314R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 43 kD

Observed band size: 53 kD



Tissue/cell: Human endometrium tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Oxytocin R Polyclonal Antibody, Unconjugated(SL1314R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining