

OXTR polyclonal antibody

Catalog # PAB6994

Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of OXTR.
Immunogen	A synthetic peptide corresponding to human OXTR.
Sequence	C-LRTTRQKHSRL
Host	Goat
Theoretical MW (kDa)	42.8
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:64000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — OXTR

Entrez GeneID [5021](#)**Protein Accession#** [NP_000907.2](#)**Gene Name** OXTR**Gene Alias** OT-R**Gene Description** oxytocin receptor**Omim ID** [167055](#)**Gene Ontology** [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations -

Publication Reference

- [Gonadal steroid modulation of stress-induced hypothalamo-pituitary-adrenal activity and anxiety behavior: role of central oxytocin.](#)

Windle RJ, Gamble LE, Kershaw YM, Wood SA, Lightman SL, Ingram CD.

Endocrinology 2006 May; 147(5):2423.

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Antisocial Personality Disorder](#)

- [Anxiety](#)
- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Chorioamnionitis](#)
- [Ductus Arteriosus](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Irritable Bowel Syndrome](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Object Attachment](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Social Perception](#)
- [Stress](#)
- [Task Performance and Analysis](#)