

Oxytocin Receptor Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251676

Unit: 0.1 mg

Description:

The oxytocin receptor is a receptor for oxytocin (vasopressin). The activity of the oxytocin receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. Oxytocin is a mammalian hormone that acts primarily as a neuromodulator in the brain. Also known as alpha-hypophamine (??hypophamine), oxytocin has the distinction of being the very first polypeptide hormone to be sequenced and synthesized biochemically, by Vincent du Vigneaud et al. in 1953. Oxytocin is best known for roles in female reproduction: 1) it is released in large amounts after distension of the cervix and uterus during labor, and 2) after stimulation of the nipples, facilitating birth and breastfeeding.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

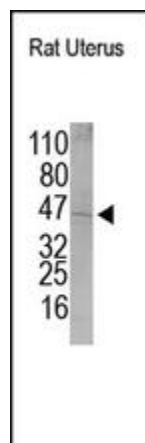
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 1 mg/ml BSA with 0.09% sodium azide. Antibody was purified by antigen affinity chromatography.

Alternate Names: Oxytocin receptor; OT-R; OXTR

Accession No.: P30559

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human oxytocin receptor.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



The Oxytocin Receptor Antibody (Cat. No. 251676) is used in Western blot to detect Oxytocin Receptor in rat uterus lysate.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Chen Y et al. 2014. Reprod Sci. PMID# 24492488.

For research use only, not for diagnostic or therapeutic procedures.