



Anti-OXTR (C-terminal) polyclonal antibody (DPAB-DC2072)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | 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. |
| Immunogen | A synthetic peptide corresponding to C-terminus of human OXTR. The sequence is C-RRLGETSASKKSN |
| Source/Host | Goat |
| Species Reactivity | Human |
| Purification | Antigen affinity purification |
| Conjugate | Unconjugated |
| Applications | IF, ELISA, |
| Format | Liquid |
| Size | 100 µg |
| Buffer | In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA) |
| Preservative | 0.02% Sodium Azide |
| Storage | Store at -20°C. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | OXTR oxytocin receptor [Homo sapiens (human)] |
| Official Symbol | OXTR |
| Synonyms | OXTR; oxytocin receptor; OT-R; |
| Entrez Gene ID | 5021 |
| Protein Refseq | NP_000907 |
| UniProt ID | B2R9L7 |
| Chromosome Location | 3p25 |
| Pathway | Calcium signaling pathway; Class A/1 (Rhodopsin-like receptors); GPCR downstream signaling; GPCRs, Class A Rhodopsin-like |
| Function | oxytocin receptor activity; peptide hormone binding; vasopressin receptor activity; |