



Human OXTR blocking peptide (CDBP2156)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Oxytocin Receptor antibody
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. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	OXTR oxytocin receptor [Homo sapiens (human)]
Official Symbol	OXTR
Synonyms	OXTR; oxytocin receptor; OT-R;
Entrez Gene ID	5021
mRNA Refseq	NM_000916.3

Protein Refseq	NP_000907.2
UniProt ID	B2R9L7
Chromosome Location	3p25
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Gastrin-CREB signalling pathway via PKC and MAPK, organism-specific biosystem; Myometrial Relaxation an
Function	oxytocin receptor activity; peptide hormone binding; vasopressin receptor activity;