

OXTR / Oxytocin Receptor Polyclonal Antibody | anti-OXTR antibody

Rabbit Polyclonal to Human OXTR / Oxytocin Receptor

CATALOG # AAA51075	HOST OXTR / Oxytocin Receptor antibody was produced in Rabbit	REACTIVITY Human Predicted Reactivity: Monkey	APPLICATIONS Immunohistochemistry, Immunohistochemistry
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PRODUCT SYNONYMS

OXTR / Oxytocin Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human OXTR / Oxytocin Receptor; Anti-OXTR / Oxytocin Receptor Antibody (Cytoplasmic Domain) IHC-plus; OXTR; Oxytocin receptor; Oxt-r; OT-R; Human OXTR; Oxytocin Receptor; anti-OXTR antibody

PRODUCT SPECIFICATIONS

Host	OXTR / Oxytocin Receptor antibody was produced in Rabbit
Reactivity	Human Predicted Reactivity: Monkey
Clonality	Polyclonal
Specificity	Human Oxytocin Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, less than 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	389
Applicable Applications for anti-OXTR antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	OXTR/ Oxytocin Receptor
Family/Subfamily	GPCR/Vasopressin/oxytocin
Antigen Type	Synthetic peptide
Immunogen Species	OXTR/Oxytocin Receptor antibody was raised against Human.
Immunogen	OXTR/Oxytocin Receptor antibody was raised against synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human Oxytocin Receptor. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon (100%); Monkey (94%).
Immunogen	OXTR / Oxytocin Receptor antibody was raised against synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human Oxytocin Receptor. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon (100%); Monkey (94%).
Epitope	Cytoplasmic Domain
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Note	During shipment,small volumes of product will ocassionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.
Warning	This reagent may contain sodium azide. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated.Standard Laboratory Practices should be followed. Avoid skin and eye contact,inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plubing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation
Preparation and Storage	Aliquot and store undiluted at -20°C or below up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Anti-Oxytocin Receptor antibody IHC of human uterus, term. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-OXTR / Oxytocin Receptor antibody IHC of human Lung, Adenocarcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-OXTR antibody	The oxytocin receptor belongs to the vasopressin/oxytocin family of GPCRs because it binds similar cyclic nonapeptide hormones. The oxytocin receptor functions primarily during labor and lactation. There is a dramatic increase in the number of oxytocin receptors just before the onset of labor causing the uterine muscles to become exceedingly sensitive to oxytocin.
Product Categories/Family for anti-OXTR antibody	Family: GPCR; Subfamily: Vasopressin/oxytocin

NCBI AND UNIPROT INFORMATION

NCBI GI #	32307152
NCBI GeneID	5021
NCBI Accession #	NP_000907.2
NCBI GenBank Nucleotide #	NM_000916.3
UniProt Accession #	P30559; Q15071
NCBI Official Full Name	oxytocin receptor
NCBI Official Synonym Full Names	oxytocin receptor
NCBI Official Symbol	OXTR
NCBI Official Synonym Symbols	OT-R
NCBI Protein Information	oxytocin receptor
UniProt Protein Name	Oxytocin receptor
UniProt Gene Name	OXTR
UniProt Synonym Gene Names	OT-R
UniProt Entry Name	OXYR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/oxtr-oxytocin-receptor-antibody-immunohistochemistry-immunohistochemistry-elisa/51075>