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EB07183 - Goat Anti-Oxytocin Receptor Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: OXTR, oxytocin receptor, OT-R, OTR

Official Symbol: OXTR

Accession Number(s): NP_000907.2

Human GeneID(s): 5021

Non-Human GenelD(s): 18430 (mouse), 25342 (rat)

Immunogen

Peptide with sequence C-LRTTRQKHSRL, from the internal region of the protein sequence according to NP_000907.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Preliminary experiments showed bands at 55kDa and 26kDa in Human Ovary and Breast lysates. Both bands were successfully blocked by incubation with the immunizing peptide at antibody concentration 2 μg/m).

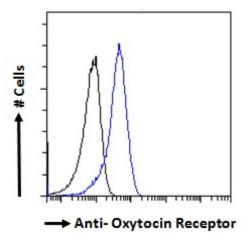
IHC: Paraffin embedded Human Ovary. Recommended concentration: 8µg/ml.

Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

Species Reactivity

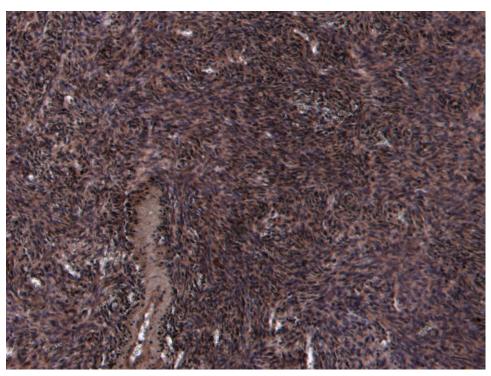
Tested: Human

Expected from sequence similarity: Human

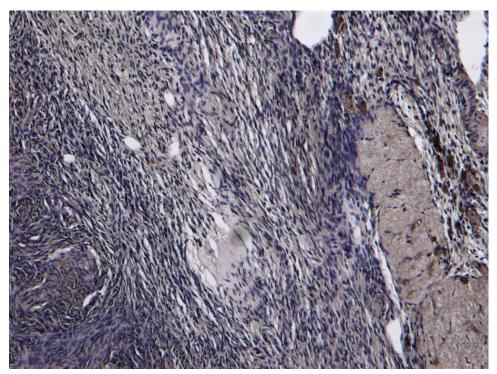


EB07183 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB07183 (8µg/ml) staining of paraffin embedded Human Ovary. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07183 Negative Control showing staining of paraffin embedded Human Ovary, with no primary antibody.