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**Research Use Only. Not for
diagnostic or therapeutic use.**

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 GeneID(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/ml).

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.