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

EB09854 - Goat Anti-OXT (mouse) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: OT, OTTMUSP00000016535, Oxy, oxytocin, Oxt

Official Symbol: Oxt

Accession Number(s): NP_035155.1

Non-Human GeneID(s): 18429 (mouse), 25504 (rat)

Immunogen

Peptide with sequence DGCRTDPACDPES, from the C-Terminus (near) of the protein sequence according to NP_035155.1.

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 1:16000.

Western blot: Preliminary experiments gave an approx 22kDa band in Mouse Liver after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for this band, given the calculated size of 12.9kDa according to NP_035155.1. The 22kDa band was successfully blocked by incubation with the immunizing peptide.

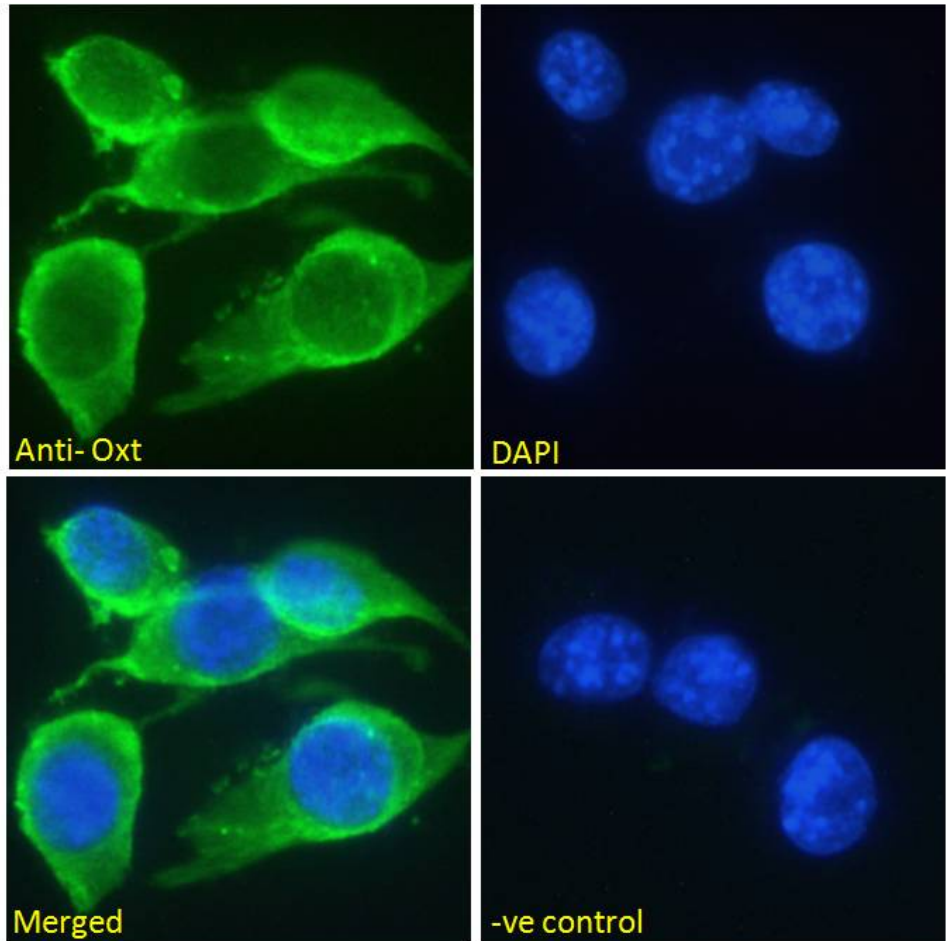
Immunofluorescence: Strong expression of the protein seen in the cytoplasm and membranes of NIH3T3 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of NIH3T3 cells. Recommended concentration: 10ug/ml.

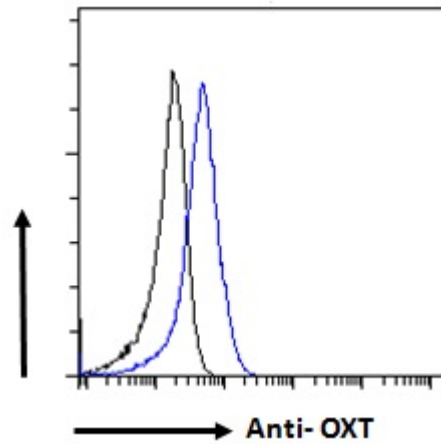
Species Reactivity

Tested: Mouse

Expected from sequence similarity: Mouse, Rat



EB09854 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09854 Flow cytometric analysis of paraformaldehyde fixed NIH3T3 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.