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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.

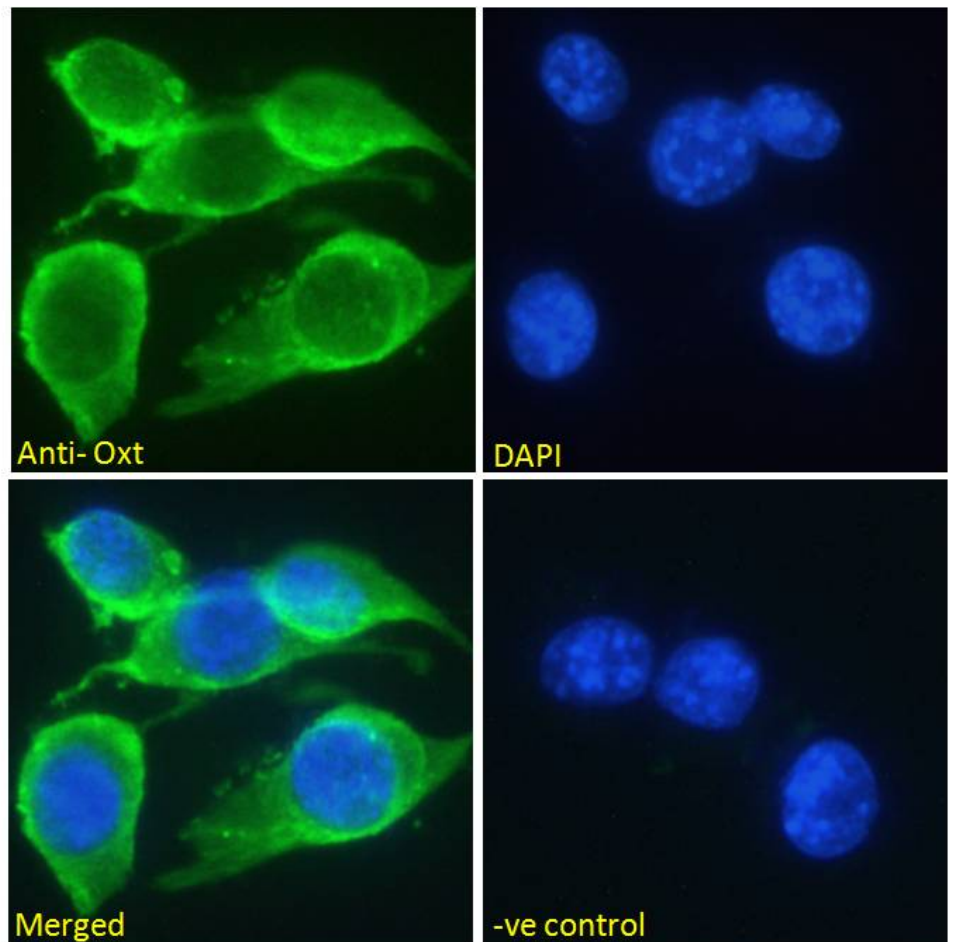
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and membranes of NIH3T3 cells. Recommended concentration: 10µg/ml.

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

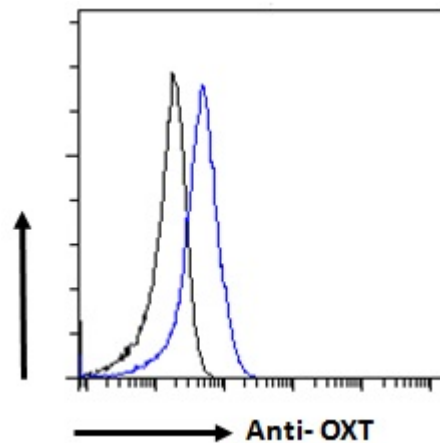
### Species Reactivity

**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.