

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD

UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106 Ramona,

CA 92065 USA

Inquiries:

info@everestbiotech.com

Sales:

usasales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

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 GenelD(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.

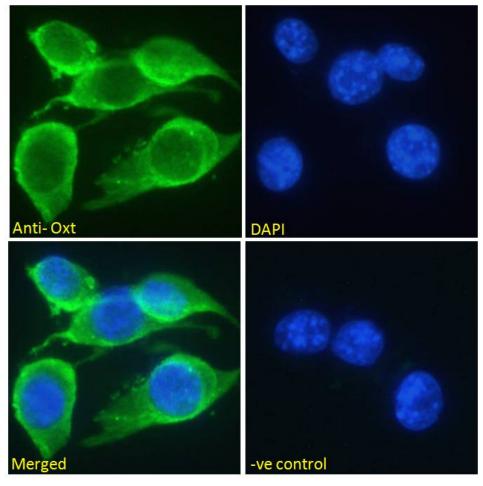
Flow Cytometry: Flow cytometric analysis of NIH3T3 cells. Recommended

concentration: 10ug/ml.

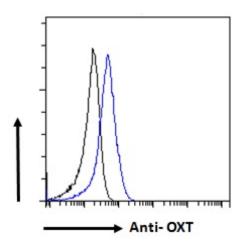
Species Reactivity

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.