

Datasheet for ABIN570836
anti-OXT antibody (C-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	OXT
Binding Specificity:	C-Term
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This OXT antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	OXT (mouse)
Immunogen:	DGCRTDPACDPES
Sequence:	DGCRTDPACD PES
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	OXT
Alternative Name:	Oxt (OXT Products)
Background:	Oxt, oxytocin, OT, Oxy, OTTMUSP00000016535
Gene ID:	18429, 25504
NCBI Accession:	NP_035155
Pathways:	Myometrial Relaxation and Contraction , Feeding Behaviour

Application Details

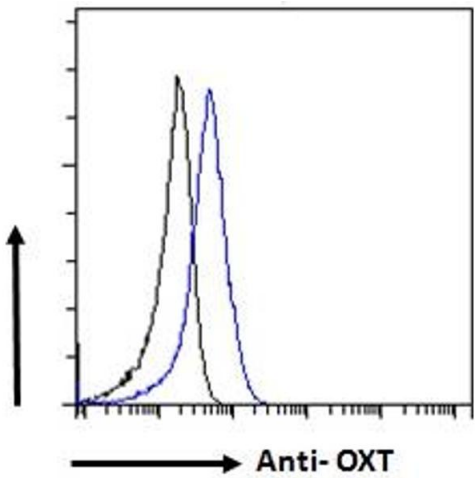
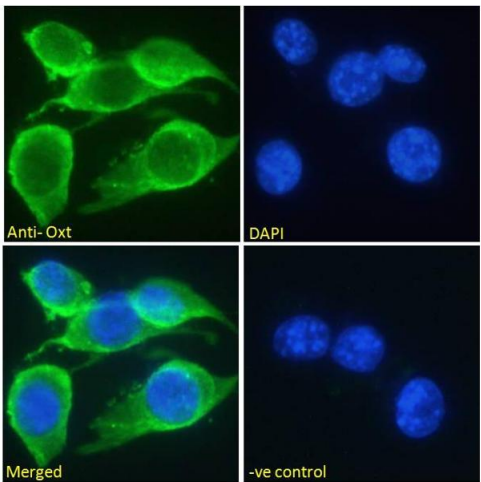
Application Notes:	Western Blot: Preliminary experiments gave an approx 22 kDa band in Mouse Liver after 1 μ g/mL antibody staining. Please note that currently we cannot find an explanation in the literature for this band, given the calculated size of 12.9 kDa according to NP Peptide ELISA: antibody detection limit dilution 1:16000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm and membranes of NIH3T3 cells. Recommended concentration: 10 μ g/ml. Flow Cytometry: Flow cytometric analysis of NIH3T3 cells. Recommended concen
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Product cited in: McMahon, Chang, Jackson: "Multiple cytosolic calcium buffers in posterior pituitary nerve terminals." in: **The Journal of general physiology**, Vol. 147, Issue 3, pp. 243-54, (2016) ([PubMed](#)).

Images



Immunofluorescence

Image 1. ABIN570836 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).

Flow Cytometry

Image 2. ABIN570836 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) f