

For Research Use Only

# OXTR Polyclonal antibody

Catalog Number: 23045-1-AP

Featured Product

21 Publications



## Basic Information

### Catalog Number:

23045-1-AP

### Concentration:

550 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG19074

### GenBank Accession Number:

BC137443

### GeneID (NCBI):

5021

### UNIPROT ID:

P30559

### Full Name:

OXTR

### Calculated MW:

389 aa, 43 kDa

### Observed MW:

46 kDa, 67 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human

### Cited Species:

human, mouse, rat, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : Jurkat cells, HeLa cells, L02 cells

IP : L02 cells,

IHC : human hystero myoma tissue, human breast cancer tissue

IF/ICC : HeLa cells,

## Background Information

Oxytocin (OXT) is a neurohypophysial hormone that plays a role in lactation and parturition and in the central nervous system as a neurotransmitter involved in sex and maternal behavior (PMID: 1852313; 10811917). OXT acts through its receptor, OXTR, which belongs to the G protein-coupled 7-transmembrane receptor family. OXTR is expressed in the endometrium, myometrium, and mammary gland (PMID: 1313946). This antibody is raised against the C-terminal region of human OXTR. Two immunoreactive OXTR bands were found in the fat tissue, an unglycosylated 43 kDa form and a mature glycosylated 67 kDa form (PMID:32819381).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yan Yan	36068532	Reprod Biol Endocrinol	IHC
Tamara Merz	30341744	Intensive Care Med Exp	IHC
Wenhui Yang	36227618	J Obstet Gynaecol	IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

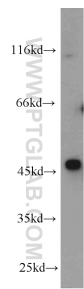
T: 4006900926

E: Proteintech-CN@ptglab.com

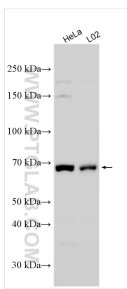
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

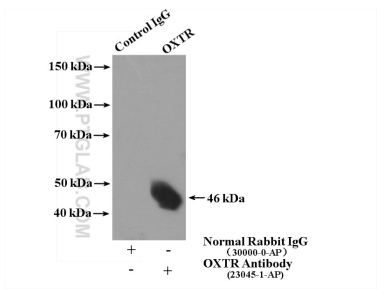
Selected Validation Data



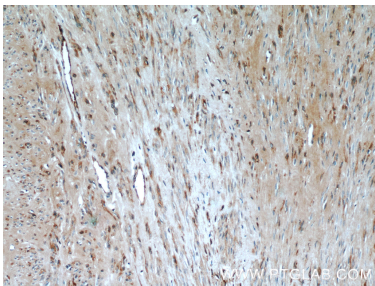
Jurkat cells were subjected to SDS PAGE followed by western blot with 23045-1-AP (OXTR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



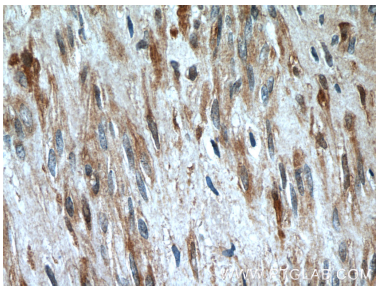
Various lysates were subjected to SDS PAGE followed by western blot with 23045-1-AP (OXTR antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



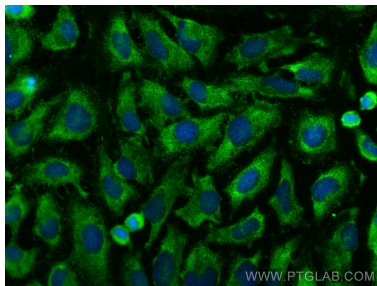
IP result of anti-OXTR (IP:23045-1-AP, 4ug; Detection:23045-1-AP 1:1000) with L02 cells lysate 1800ug.



Immunohistochemical analysis of paraffin-embedded human hysterymyoma tissue slide using 23045-1-AP (OXTR antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human hysterymyoma tissue slide using 23045-1-AP (OXTR antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using OXTR antibody (23045-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).