

Recombinant

DGRmAb®

Oxytocin (DGR16357) Rabbit mAb (PBS Only)

db14867-PBS

Package : 100µg

Product Name : Oxytocin (DGR16357) Rabbit mAb (PBS Only)**Cat.No.:** db14867-PBS**Synonyms :** OT; Oxy**Application :** WB, IHC-P**Reactivity :** Mouse,Rat**Host species :** Rabbit**Background**

This gene encodes a preproprotein that is processed to produce oxytocin and neurophysin 1. Oxytocin is a posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin 1. Together with neurophysin, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into the bloodstream. The precursor seems to be activated while it is being transported along the axon to the posterior pituitary. This hormone contracts smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation, the stress response and complex sexual and maternal behavior, as well as in the regulation of water excretion, salt appetite, blood pressure and cardiovascular functions. Deletion of this gene in mouse reduces bone formation resulting in osteoporosis. [provided by RefSeq, Dec 2013]

Immunogen

Recombinant protein of mouse Oxytocin

Gene ID

18429

Swiss Prot

P35454

Synonyms

OT; Oxy

Reactivity

Mouse,Rat

Application

WB, IHC-P

Recommended dilutionWB: 1:1000
IHC-P: 1:1000-1:5000**Calculated MW**

13 kDa

Observed MW

13 kDa

Host species

Rabbit

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|--------------------------|---|
| Clonality | Monoclonal |
| Clonality No. | DGR16357 |
| Isotype | IgG |
| Purity | Affinity Purification |
| Conjugation | Un-conjugated |
| Concentration | 1 mg/ml |
| Formulation | PBS Only |
| Storage Stability | Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt. |