

Recombinant

DGRmAb®

Oxytocin (DGR16357) Rabbit mAb

db14867

Package : 10µL 20µL 50µL 100µL

Product Name : Oxytocin (DGR16357) Rabbit mAb**Cat.No.:** db14867**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

Clonality	Monoclonal
Clonality No.	DGR16357
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.