

## Oxytocin Rabbit pAb

db5246

Package : 20μL 50μL 100μL

**Product Name** : Oxytocin Rabbit pAb**Cat.No.:** db5246**Synonyms** : OT; Oxy**Application** : WB, IHC**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

**Recommended dilution**WB: 1:1000  
IHC: 1:100**Calculated MW**

13 kDa

**Observed MW**

13 kDa

**Host species**

Rabbit

**Clonality**

Polyclonal

<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	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.