

bs-17581R**[Primary Antibody]**

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Oxytocin Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, GuineaPig)
GeneID: 5020	SWISS: P01178	Predicted MW.: 1.0 kDa
Target: Oxytocin		Subcellular Location: Secreted
Immunogen: KLH conjugated synthetic peptide derived from human Oxytocin: 20-28/125.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: This gene encodes a precursor protein that is processed to produce oxytocin and neurophysin I. Oxytocin is a posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. 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 and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. [provided by RefSeq, Dec 2013]		

— SELECTED CITATIONS —

- **[IF=2.136]** Liu Q et al. Seasonal expressions of oxytocin and oxytocin receptor in epididymis of the male muskrat (*Ondatra zibethicus*). (2018) *Theriogenology*.124:24-31. IHC ;muskrat. 30336300
- **[IF=2.445]** Yuan Z et al. Seasonal expressions of oxytocin and oxytocin receptor in the epididymides in the wild ground squirrels (*Citellus Dauricus* Brandt). *Gen Comp Endocrinol*. 2020 Apr 1;289:113391. WB,IHC ;Wild ground squirrel. 31917151