

## Product datasheet for **TA363919**

### Orexin (HCRT) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Orexin A. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human, Bovine, Canine, Mouse, Porcine, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide Pyr-Pro-Leu-Pro-Asp-Cys-Cys-Arg-Gln-Lys-Thr-Cys- Ser-Cys-Arg-Leu-Tyr-Glu-Leu-Leu-His-Gly-Ala-Gly-Asn-His-Ala-Ala-Gly- Ile-Leu-Thr-Leu-NH <sub>2</sub> , (Disulfide bonds between Cys6 and Cys12/Cys7 and Cys14), coupled to carrier protein.
Formulation:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	hypocretin (orexin) neuropeptide precursor
Database Link:	<a href="#">Entrez Gene 3060 Human O43612</a>
Background:	Orexin A is a 33 amino acid neuropeptide that includes an N-terminal pyroglutamyl residue, C-terminal amidation, and two intramolecular disulfide bridges between Cys 6 – Cys12, and between Cys7 – Cys14. Orexins (Orexin A and Orexin B) are produced by proteolytic cleavage of prepro-orexin. They were so named for their stimulatory role in feeding behavior, but also play important functions in the organism's energy homeostasis and sleep cycles. They exert their effects through G-protein coupled receptors. This antibody was generated by immunization of rabbits with Orexin A coupled to a carrier protein.
Synonyms:	Hypocretin; NRCLP1; orexin; OX; PPORX; PPOX



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