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Polyclonal Antibody To Orexin Receptor Type 1 (Ox1r) Chicken Anti Human / Rat / Porcine Hypocretin Receptor Type 1

Orexins are endogenous peptides that act through Orexin Receptor type 1 and type 2, two closely related G-protein coupled receptors. Binding of orexins to these receptors causes an increase in intracellular calcium levels. In vivo, orexins are involved in the control of feeding behaviour and possibly in modulating sleep-wake cycles and other hypothalamic functions. The antibody was generated against a peptide sequence of the second extracellular loop.

Product Number:	T-1524
Clone:	Polyclonal antibody
Host species, isotype:	Chicken IgY
Quantity:	200µg
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgY, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.05% Kathon as a preservative.
Stability:	Original vial: 1 year at 4° -8°
Applications:	Tested for immunohistochemistry (IHC) and ELISA. Approximate working dilution for IHC: Frozen sections: 2µg/ml (1:200) Paraffin sections: not tested Optimal dilutions should be determined by the end user. Suggested positive control: rat brain
Immunogen:	Peptide 195-205 coupled to carrier protein.
Antigen, epitope:	Second extracellular loop of orexin receptor type 1.
Species specificity:	human, rat, porcine; others not tested.
Antigen distribution:	Tissue sections: Orexin receptor type 1 is widely expressed in rat brain, as detected by immune histochemistry. It is also found in the adrenal gland. The immune reaction on tissue sections was inhibited by the corresponding peptide or peptide-ovalbumin conjugate.

For in vitro research only. This product contains Kathon as a preservative.