

Immunotag™ Orexin R-1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT3472
Product Description	Immunotag™ Orexin R-1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Orexin R-1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IF,ELISA
Recommended Dilution	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Orexin R-1, at AA range: 270-350
Specificity	Orexin R-1 Polyclonal Antibody detects endogenous levels of Orexin R-1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	HCRT1
Accession No.	O43613 P58307 P56718
Alternate Names	HCRT1; Orexin receptor type 1; Ox-1-R; Ox1-R; Ox1R; Hypocretin receptor type 1
Description	hypocretin receptor 1(HCRT1) Homo sapiens The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein selectively binds the hypothalamic neuropeptide orexin A. A related gene (HCRT2) encodes a G-protein coupled receptor that binds orexin A and orexin B. [provided by RefSeq, Jan 2009],

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Cell Pathway/ Category	Neuroactive ligand-receptor interaction,
Protein Expression	Brain,
Subcellular Localization	plasma membrane,integral component of plasma membrane,integral component of membrane,
Protein Function	function:Moderately selective excitatory receptor for orexin-A and, with a lower affinity, for orexin-B neuropeptide. Seems to be exclusively coupled to the G(q) subclass of heteromeric G proteins, which activates the phospholipase C mediated signaling cascade.,similarity:Belongs to the G-protein coupled receptor 1 family.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.