
Product Name: Orexin R-1 Rabbit Polyclonal Antibody**Catalog #: APRab15504**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000

Molecular Weight

Antigen Information

Gene Name	HCRT1
Alternative Names	HCRT1; Orexin receptor type 1; Ox-1-R; Ox1-R; Ox1R; Hypocretin receptor type 1
Gene ID	3061.0
SwissProt ID	O43613
Immunogen	The antiserum was produced against synthesized peptide derived from human HCRT1. AA range:298-347

Background

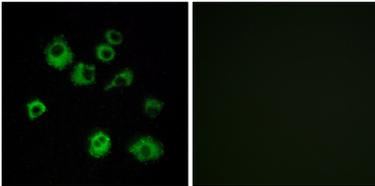
The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded

protein selectively binds the hypothalamic neuropeptide orexin A. A related gene (HCRTR2) encodes a G-protein coupled receptor that binds orexin A and orexin B. [provided by RefSeq, Jan 2009],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.,

Research Area

Neuroactive ligand-receptor interaction;

Image Data



Immunofluorescence analysis of MCF7 cells, using HCRTR1 Antibody. The picture on the right is blocked with the synthesized peptide.