

HCRTTR1 rabbit monoclonal antibody

Catalog # H00003061-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HCRTTR1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HCRTTR1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HCRTTR1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — HCRTR1

Entrez GeneID	3061
GeneBank Accession#	HCRTR1
Gene Name	HCRTR1
Gene Alias	OX1R
Gene Description	hypocretin (orexin) receptor 1
Omim ID	602392
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000003951 hypocretin receptor 1 hypocretin receptor-1 orexin receptor 1 orexin receptor-1

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Genetic Predisposition to Disease](#)
- [Hyponatremia](#)

- [Mental Disorders](#)
- [NARP](#)
- [Schizophrenia](#)