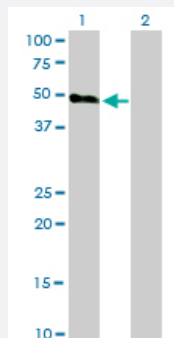


HCRTR2 monoclonal antibody (M01), clone 1E3

Catalog # H00003062-M01

Size 100 ug

Applications

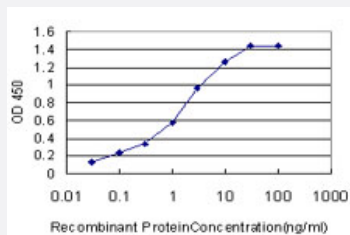


Western Blot (Transfected lysate)

Western Blot analysis of HCRTR2 expression in transfected 293T cell line by HCRTR2 monoclonal antibody (M01), clone 1E3.

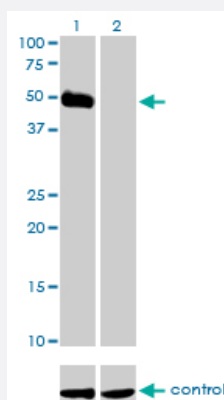
Lane 1: HCRTR2 transfected lysate (50.7 kDa).

Lane 2: Non-transfected lysate.



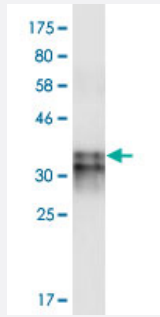
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HCRTR2 is approximately 0.03 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of HCRTR2 over-expressed 293 cell line, cotransfected with HCRTR2 Validated Chimera RNAi (Cat # H00003062-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HCRTR2 monoclonal antibody (M01), clone 1E3 (Cat # H00003062-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (31.68 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HCRT2.
Immunogen	HCRT2 (NP_001517, 1 a.a. ~ 54 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSGTKLEDSPPCRNWSSASELNETQEPFLNPTDYDDEEFLRYLWREYLHPKEYE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.68 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of HCRT2 expression in transfected 293T cell line by HCRT2 monoclonal antibody (M01), clone 1E3.

Lane 1: HCRT2 transfected lysate(50.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HCRT2 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of HCRT2 over-expressed 293 cell line, cotransfected with HCRT2 Validated Chimera RNAi (Cat # H00003062-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HCRT2 monoclonal antibody (M01), clone 1E3 (Cat # H00003062-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — HCRT2

Entrez GeneID [3062](#)

GeneBank Accession# [NM_001526](#)

Protein Accession# [NP_001517](#)

Gene Name HCRT2

Gene Alias OX2R

Gene Description hypocretin (orexin) receptor 2

Omim ID [602393](#)

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 binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRT1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq

Other Designations OTTHUMP00000017762|OTTHUMP00000039969|hypocretin receptor-2|prexin receptor 2

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cluster Headache](#)
- [Diabetes Mellitus](#)
- [Disorders of Excessive Somnolence](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyponatremia](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Narcolepsy](#)
- [NARP](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Tourette Syndrome](#)