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HCRTR2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant HCRTR2.
Catalog # AT2331a

Product Information

Application	WB, E
Primary Accession	O43614
Other Accession	NM_001526
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1E4
Calculated MW	50694

Additional Information

Gene ID	3062
Other Names	Orexin receptor type 2, Ox-2-R, Ox2-R, Ox2R, Hypocretin receptor type 2, HCRTR2
Target/Specificity	HCRTR2 (NP_001517, 1 a.a. ~ 54 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HCRTR2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

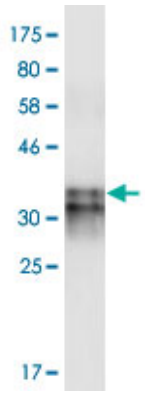
The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A.

References

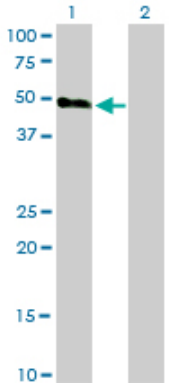
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Association study of 182 candidate genes in anorexia nervosa. Pinheiro

AP, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468064.Genomic organization and regulation of the human orexin (hypocretin) receptor 2 gene: identification of alternative promoters. Chen J, et al. Biochem J, 2010 Apr 14. PMID 20156195.Common genetic variation and the control of HIV-1 in humans. Fellay J, et al. PLoS Genet, 2009 Dec. PMID 20041166.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

Images

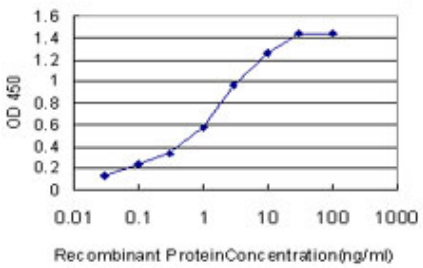


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (31.68 KDa) .

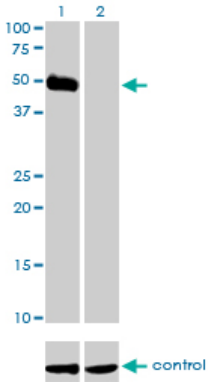


Western Blot analysis of HCRTR2 expression in transfected 293T cell line by HCRTR2 monoclonal antibody (M01), clone 1E3.

Lane 1: HCRTR2 transfected lysate(50.7 KDa).
Lane 2: Non-transfected lysate.



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



Western blot analysis of HCRTR2 over-expressed 293 cell line, cotransfected with HCRTR2 Validated Chimera RNAi ((Cat # AT2331a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.