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VIPR2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant VIPR2.
Catalog # AT4514a

Product Information

Application	WB
Primary Accession	P41587
Other Accession	NM_003382
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E4
Calculated MW	49479

Additional Information

Gene ID	7434
Other Names	Vasoactive intestinal polypeptide receptor 2, VIP-R-2, Helodermin-preferring VIP receptor, Pituitary adenylate cyclase-activating polypeptide type III receptor, PACAP type III receptor, PACAP-R-3, PACAP-R3, VPAC2, VIPR2, VIP2R
Target/Specificity	VIPR2 (NP_003373, 24 a.a. ~ 126 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
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	VIPR2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

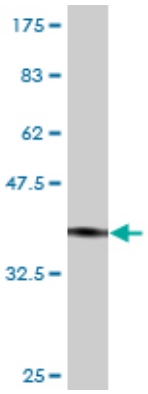
Vasoactive intestinal peptide (VIP; MIM 192320) and pituitary adenylate cyclase activating polypeptide (PACAP; MIM 102980) are homologous peptides that function as neurotransmitters and neuroendocrine hormones. While the receptors for VIP and PACAP share homology, they differ in their substrate specificities and expression patterns. See VIPR1 (MIM 192321) and ADCYAP1R1(MIM 102981).

References

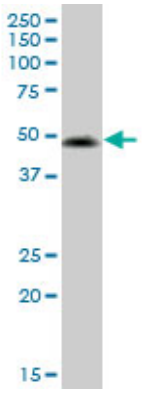
Circadian clock gene polymorphisms in alcohol use disorders and alcohol consumption. Kovanen L, et al.

Alcohol Alcohol, 2010 Jul-Aug. PMID 20554694.Biological Pathway-Based Genome-Wide Association Analysis Identified the Vasoactive Intestinal Peptide (VIP) Pathway Important for Obesity. Liu YJ, et al. Obesity (Silver Spring), 2010 Apr 8. PMID 20379146.Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, et al. Int J Mol Med, 2010 Apr. PMID 20198315.CLOCK is suggested to associate with comorbid alcohol use and depressive disorders. Sj?holm LK, et al. J Circadian Rhythms, 2010 Jan 21. PMID 20180986.Differential association of circadian genes with mood disorders: CRY1 and NPAS2 are associated with unipolar major depression and CLOCK and VIP with bipolar disorder. Soria V, et al. Neuropsychopharmacology, 2010 May. PMID 20072116.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.07 KDa) .



VIPR2 monoclonal antibody (M01), clone 2E3. Western Blot analysis of VIPR2 expression in IMR-32 ((Cat # AT4514a)