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AVPR1A Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant AVPR1A.
Catalog # AT1248a

Product Information

Application	WB
Primary Accession	P37288
Other Accession	NM_000706
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	7B8
Calculated MW	46800

Additional Information

Gene ID	552
Other Names	Vasopressin V1a receptor, V1aR, AVPR V1a, Antidiuretic hormone receptor 1a, Vascular/hepatic-type arginine vasopressin receptor, AVPR1A, AVPR1
Target/Specificity	AVPR1A (NP_000697, 1 a.a. ~ 52 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	AVPR1A Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

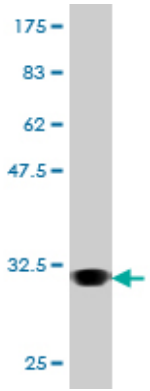
The protein encoded by this gene acts as receptor for arginine vasopressin. This receptor belongs to the subfamily of G-protein coupled receptors which includes AVPR1B, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor mediates cell contraction and proliferation, platelet aggregation, release of coagulation factor and glycogenolysis.

References

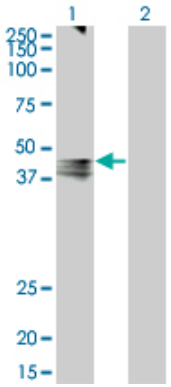
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes

REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Association study between single nucleotide polymorphisms in promoter region of AVPR1A and Korean autism spectrum disorders. Yang SY, et al. Neurosci Lett, 2010 Aug 2. PMID 20546835.Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468064.Family-based association study of microsatellites in the 5' flanking region of AVPR1A with autism spectrum disorder in the Korean population. Yang SY, et al. Psychiatry Res, 2010 Jun 30. PMID 20452058.Association of polymorphisms in genes regulating the corticotropin-releasing factor system with antidepressant treatment response. Binder EB, et al. Arch Gen Psychiatry, 2010 Apr. PMID 20368512.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (31.46 KDa) .



Western Blot analysis of AVPR1A expression in transfected 293T cell line by AVPR1A monoclonal antibody (M07), clone 7B8.

Lane 1: AVPR1A transfected lysate(46.8 KDa).
Lane 2: Non-transfected lysate.

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