

**AVPR1A Antibody (monoclonal) (M07)****Mouse monoclonal antibody raised against a partial recombinant AVPR1A.****Catalog # AT1248a****Specification**

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**AVPR1A Antibody (monoclonal) (M07) - Product Information**

Application	WB
Primary Accession	<a href="#">P37288</a>
Other Accession	<a href="#">NM_000706</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	46800

**AVPR1A Antibody (monoclonal) (M07) - 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.

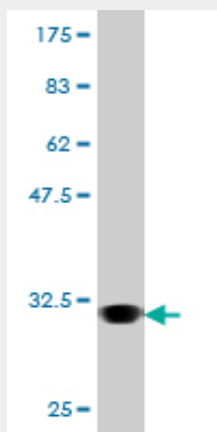
**AVPR1A Antibody (monoclonal) (M07) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

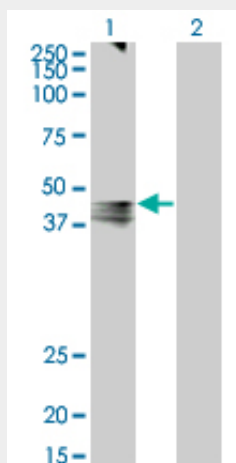
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### AVPR1A Antibody (monoclonal) (M07) - 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.

#### AVPR1A Antibody (monoclonal) (M07) - 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.

#### AVPR1A Antibody (monoclonal) (M07) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-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.