

## Product datasheet

# Anti- AVPR1A antibody ab54799

[2 Images](#)

### Overview

<b>Product name</b>	Anti- AVPR1A antibody
<b>Description</b>	Mouse monoclonal to AVPR1A
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Recombinant fragment <b>Predicted to work with:</b> Human, Marsupial, Rhesus monkey, Woodchuck, Crab
<b>Immunogen</b>	Recombinant fragment: MRLSAGPDAG PSGNSSPWWP LATGAGNTR EAEALGEGNG PPRDVRNEEL AK, corresponding to amino acids 1-53 of Human AVPR1A (NP_000697) with tag. <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Recombinant AVPR1A fragment. AVPR1A transfected 293T cell lysate.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: None Constituents: 1X PBS, pH 7.2
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

### Applications

Our [Abpromise guarantee](#) covers the use of **ab54799** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
-------------	-----------	-------

WB

ELISA

**Application notes**

ELISA: Use at an assay dependent dilution.

WB: Use at a concentration of 1 - 5 µg/ml. Predicted molecular weight: 47 kDa.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

**Target**

**Function**

Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. Has been involved in social behaviors, including affiliation and attachment.

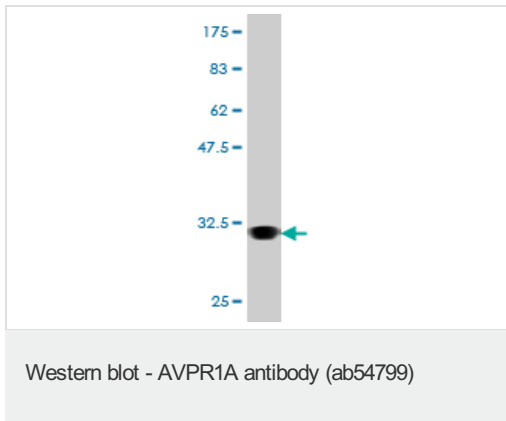
**Sequence similarities**

Belongs to the G-protein coupled receptor 1 family. Vasopressin/oxytocin receptor subfamily.

**Cellular localization**

Cell membrane.

**Images**



Anti- AVPR1A antibody (ab54799) at 5  $\mu\text{g/ml}$   
+ Recombinant tagged AVPR1A fragment at  
0.2  $\mu\text{g}$

**Secondary**

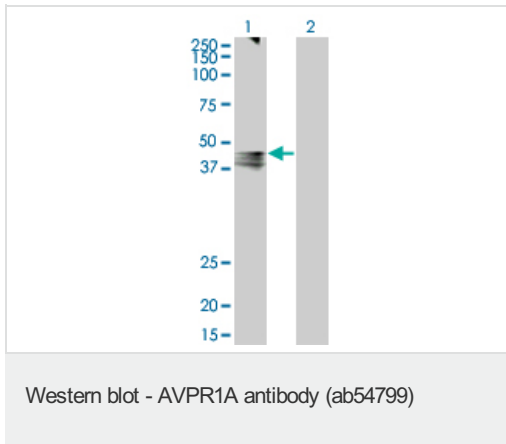
Goat Anti-Mouse IgG (H&L)-HRP Conjugate at  
1/5000 dilution

**Predicted band size:** 47 kDa

**Observed band size:** 32 kDa

Western blot against tagged recombinant protein immunogen. Predicted band size of immunogen is 32 kDa.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.



**All lanes** : Anti- AVPR1A antibody (ab54799)  
at 5 µg/ml

**Lane 1** : AVPR1A transfected 293T cell  
lysate

**Lane 2** : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Mouse IgG (H&L)-HRP  
Conjugate at 1/2500 dilution

**Predicted band size:** 47 kDa

**Observed band size:** 47 kDa

This antibody has only been tested in WB  
against the recombinant fragment used as  
immunogen. We have no data on the detection  
of endogenous protein.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

#### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

#### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors