

## Product datasheet

# Anti-AVPR1A / V1aR antibody ab54799

[2 Images](#)

### Overview

<b>Product name</b>	Anti-AVPR1A / V1aR antibody
<b>Description</b>	Mouse monoclonal to AVPR1A / V1aR
<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		

Application	Abreviews	Notes
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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 phosphatidyl-inositol-calcium second messenger system. Has been involved in social behaviors, including affiliation and attachment.

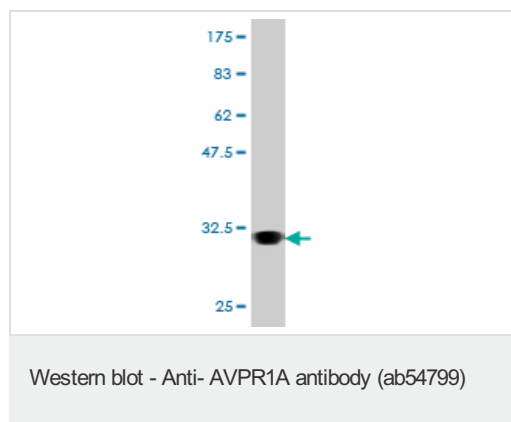
### Sequence similarities

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

### Cellular localization

Cell membrane.

### Images



Anti-AVPR1A / V1aR antibody (ab54799) at 5 µg/ml +  
 Recombinant tagged AVPR1A fragment at 0.2 µg

### Secondary

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

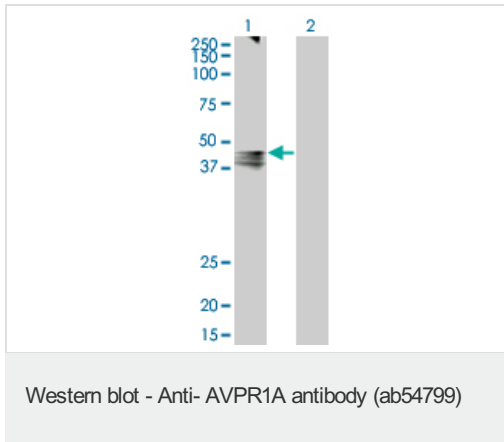
**Predicted band size:** 47 kDa

**Observed band size:** 32 kDa

[why is the actual band size different from the predicted?](#)

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 / V1aR 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"

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