

## Mouse anti-Human, mouse AVPR1A Monoclonal Antibody | anti-AVPR1A antibody

AVPR1A Antibody (C-term)

|                               |                      |                                   |                                            |
|-------------------------------|----------------------|-----------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA283595</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, mouse</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|----------------------|-----------------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

AVPR1A; Monoclonal Antibody; AVPR1A Antibody (C-term); Vasopressin V1a receptor; V1aR; AVPR V1a; Antidiuretic hormone receptor 1a; Vascular/hepatic-type arginine vasopressin receptor; AVPR1; anti-AVPR1A antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                             |
| Reactivity                                       | Human, mouse                                                                                                                                                      |
| Clonality                                        | Monoclonal                                                                                                                                                        |
| Isotype                                          | IgM                                                                                                                                                               |
| Clone Number                                     | 721CT25.2.1                                                                                                                                                       |
| Specificity                                      | This AVPR1A Monoclonal antibody is generated from mice immunized with a KLH conjugated synthetic peptide selected from the 353-383 region of human AVPR1A.        |
| Form/Format                                      | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS. |
| Concentration                                    | Vial Concentration: 1.8 (varies by lot)                                                                                                                           |
| Sequence Length                                  | 418                                                                                                                                                               |
| Applicable Applications for anti-AVPR1A antibody | ELISA, WB (Western Blot)                                                                                                                                          |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                 |
| Crown Antibody                                   | Yes                                                                                                                                                               |
| Antigen Source                                   | Human                                                                                                                                                             |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.            |

### IMAGES



#### WB (Western Blot)

AVPR1A Antibody (C-term) western blot analysis in A549, MCF-7, HL-60, mouse C2C12 cell line lysates (35ug/lane). This demonstrates the AVPR1A antibody detected the AVPR1A protein (arrow).



#### WB (Western Blot)

All lanes : Anti-AVPR1A Antibody (C-term) at 1:2000 dilution  
Lane 1: K562 whole cell lysates  
Lane 2: A549 whole cell lysates  
Lane 3: HL-60 whole cell lysates  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 47 kDa  
Blocking/Dilution buffer: 5% NFD/TBST.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AVPR1A antibody | 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.                                                                         |
| Product Categories/Family for anti-AVPR1A antibody   | Crown Antibodies; Neuroscience; Signal Transduction; Loading Control                                                                                                                                                                                                                                                    |
| References                                           | Thibonnier M., et al. J. Biol. Chem. 269:3304-3310(1994).<br>Hirasawa A., et al. Biochem. Biophys. Res. Commun. 203:72-79(1994).<br>North W.G., et al. Peptides 18:985-993(1997).<br>North W.G., et al. Cancer Res. 58:1866-1871(1998).<br>Kopatz S.A., et al. Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases. |

NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 4502331                          |
| NCBI GeneID                      | 552                              |
| NCBI Accession #                 | NP_000697.1                      |
| NCBI GenBank Nucleotide #        | NM_000706.4                      |
| UniProt Accession #              | P37288                           |
| Molecular Weight                 | 46800                            |
| NCBI Official Full Name          | vasopressin V1a receptor         |
| NCBI Official Synonym Full Names | arginine vasopressin receptor 1A |
| NCBI Official Symbol             | AVPR1A                           |
| NCBI Official Synonym Symbols    | V1aR; AVPR1; AVPR V1a            |
| NCBI Protein Information         | vasopressin V1a receptor         |
| UniProt Protein Name             | Vasopressin V1a receptor         |
| UniProt Gene Name                | AVPR1A                           |
| UniProt Synonym Gene Names       | AVPR1; V1aR                      |
| UniProt Entry Name               | V1AR_HUMAN                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/avpr1a-antibody-clone-721ct25-2-1-western-blot-elisa/283595>