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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-Vasopressin V1a receptor AVPR1A Antibody Picoband® Cy3 Conjugated

**Catalog Number:** PA2248-Cy3

## About Avpr1a

Arginine vasopressin receptor 1A (officially called AVPR1A) is one of the three major receptor types for arginine vasopressin (AVPR1B and AVPR2 being the others). It belongs to the subfamily of G-protein coupled receptors which includes AVPR1B, V2R and OXT receptors. This gene is mapped to 12q14.2. AVPR1A is present throughout the brain, as well as in the periphery, in the liver, kidney, and vasculature. The protein encoded by this gene acts as receptor for arginine vasopressin. 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.

## Overview

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| Product Name | Anti-Vasopressin V1a receptor AVPR1A Antibody Picoband® Cy3 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3. |
| Storage Instructions | At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P30560 |

## Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of rat AVPR1A, different from the related human and mouse sequences by one amino acid. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Cy3<br>Excitation Wavelength: 554 nm |

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| | |
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| | Emission Wavelength: 568 nm |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |



Anti-Vasopressin V1a receptor AVPR1A Antibody - Cy3

For Research Use Only. Not for use in diagnostic procedures.