



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Goat Anti-AVPR2

### With HRP-conjugated Secondary Antibody

**Catalog No.**

ER-14-0205

**Accession Number**

NP\_000045.1

#### ***Target Protein***

**Principal Names:** AVPR2, arginine vasopressin receptor 2 (nephrogenic diabetes insipidus), ADHR, DI1, DIR, DIR3, MGC126533, MGC138386, NDI, V2R, arginine vasopressin receptor 2

**Official Symbol:** AVPR2

**Accession Number(s):** NP\_000045.1

**Human GeneID(s):** 554

#### ***Immunogen***

Peptide with sequence **CARGRTPPSLG PQDE**, from the C-Terminus of the protein sequence according to **NP\_000045.1**.

#### ***Purification and Storage***

Purified from goat serum by ammonium sulfate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### ***Applications Tested***

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Preliminary experiments gave an approx 250kDa band in Human Brain (Cerebellum) lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 40.3kDa according to NP\_000045.1. The 250kDa band was successfully blocked by incubation with the immunizing peptide.

#### ***Species Reactivity***

**Expected from sequence similarity:** Human

#### ***Secondary Antibody Applications***

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
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### ***Background Reference***

Mutig K, Paliege A, Kahl T, Jöns T, Müller-Esterl W, Bachmann S. Vasopressin V2 receptor expression along rat, mouse, and human renal epithelia with focus on TAL. Am J Physiol Renal Physiol. 2007 Oct; 293(4):F1166-77. Epub 2007 Jul 11 PMID: 17626156

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