



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti-AVPR1A

With HRP-conjugated Secondary Antibody

Catalog No.

ER-14-0203

Target Species

Human

Accession Number

NP_000697.1

Target Protein

Principal Names: vascular/hepatic-type arginine vasopressin receptor, antidiuretic hormone receptor 1A, V1a vasopressin receptor, V1-vascular vasopressin receptor AVPR1A, SCCL vasopressin subtype 1a receptor, AVPR1, arginine vasopressin receptor 1A, AVPR1A

Official Symbol: AVPR1A

Accession Number(s): NP_000697.1

Human GeneID(s): 552

Non-Human GeneID(s): 54140 (mouse), 25107 (rat)

Immunogen

Peptide with sequence CHPLKTLQQPARRSR, from the internal region of the protein sequence according to NP_000697.1.

Purification and Storage

Purified from goat serum by ammonium sulphate 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.

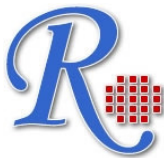
Western blot: Approx 85kDa band observed in Human Brain (Frontal cortex) lysates and in Rat Brain lysates and in lysates of cell line NIH3T3 (calculated MW of 46.8kDa according to NP_000697.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Phalipou et al, J Biol Chem. 1997 Oct 17;272(42):26536-44; PMID: 9334232). Recommended concentration: 0.03-0.1 µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Background Reference

Yirmiya N, Rosenberg C, Levi S, Salomon S, Shulman C, Nemanov L, Dina C, Ebstein RP.
Association between the arginine vasopressin 1a receptor (AVPR1a) gene and autism in a family-based study: mediation by socialization skills.
Mol Psychiatry. 2006 May;11(5):488-94.
PMID: 16520824

Secondary Antibody Applications

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

Images



ER-14-0203 (0.03µg/ml) staining of NIH3T3 lysate (35µg protein in RIPA buffer).
Primary incubation was 1 hour. Detected by chemiluminescence.

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