

Rabbit AVPR2 Polyclonal Antibody | anti-AVPR2 antibody

AVPR2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325769	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

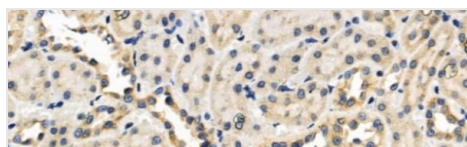
PRODUCT SYNONYMS

AVPR2; Polyclonal Antibody; AVPR2 Antibody; ADHR; Antidiuretic hormone receptor; Arginine vasopressin receptor 2; AVP R2; AVPR 2; AVPR V2; D11; DIR 3; DIR; DIR3; MGC126533; MGC138386; NDI; Nephrogenic diabetes insipidus; Renal type arginine vasopressin receptor; Renal-type arginine vasopressin receptor; V2 receptor; V2R; V2R_HUMAN; Vasopressin V2; Vasopressin V2 receptor; anti-AVPR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AVPR2 antibody detects endogenous levels of total AVPR2
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	371
Applicable Applications for anti-AVPR2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AVPR2, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



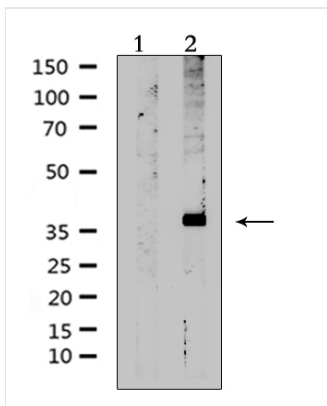
IHC (Immunohistochemistry)

DF5171 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



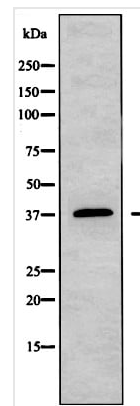
IF (Immunofluorescence)

AAA325769 staining RAW264.7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from rat muscle, using AVPR2 Antibody. Lane 1 was treated with the antigen-specific peptide.



WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells, using AVPR2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AVPR2 antibody

Function: Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Involved in renal water reabsorption.
Subunit Structure: Interacts with ARRDC4. Identified in a complex containing at least ARRDC4, V2R and HGS.
Similarity: Belongs to the G-protein coupled receptor 1 family. Vasopressin/oxytocin receptor subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557345
NCBI GeneID	554
NCBI Accession #	NP_000045.1
NCBI GenBank Nucleotide #	NM_000054.5
UniProt Accession #	P30518; O43192; Q3MJD3; Q9UCV9; C5HF20
Molecular Weight	Observed: 38 kD Predicted: 41 kDa
NCBI Official Full Name	vasopressin V2 receptor isoform 1
NCBI Official Synonym Full Names	arginine vasopressin receptor 2
NCBI Official Symbol	AVPR2
NCBI Official Synonym Symbols	DI1; DIR; NDI; V2R; ADHR; DIR3
NCBI Protein Information	vasopressin V2 receptor
UniProt Protein Name	Vasopressin V2 receptor
UniProt Gene Name	AVPR2
UniProt Synonym Gene Names	ADHR; DIR; DIR3; V2R; V2R

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/avpr2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325769>