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Anti-Vasopressin V2 Receptor Antibody
Rabbit polyclonal antibody to Vasopressin V2 Receptor
Catalog # AP60541

Specification

Anti-Vasopressin V2 Receptor Antibody - Product Information

Application	**WB, IF**
Primary Accession	P30518
Other Accession	O88721
Reactivity	**Human, Mouse, Rat, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40279**

Anti-Vasopressin V2 Receptor Antibody - Additional Information

Gene ID 554

Other Names
ADHR; DIR; DIR3; V2R; Vasopressin V2 receptor; V2R; AVPR V2; Antidiuretic hormone receptor; Renal-type arginine vasopressin receptor

Target/Specificity
Recognizes endogenous levels of Vasopressin V2 Receptor protein.

Dilution
WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)
IF~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-Vasopressin V2 Receptor Antibody - Protein Information

Name AVPR2

Synonyms ADHR, DIR, DIR3, V2R

Function
Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Involved in renal water reabsorption.

Cellular Location
Cell membrane; Multi-pass membrane protein

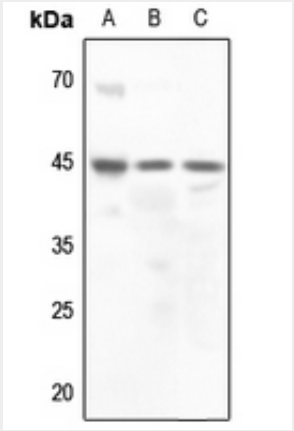
Tissue Location
Kidney.

Anti-Vasopressin V2 Receptor Antibody - Protocols

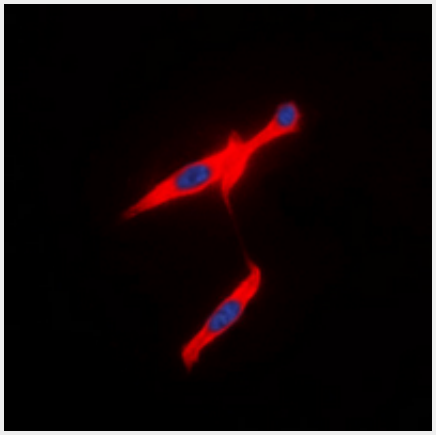
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Vasopressin V2 Receptor Antibody - Images



Western blot analysis of Vasopressin V2 Receptor expression in DLD (A), mouse muscle (B), rat kidney (C) whole cell lysates.



Immunofluorescent analysis of Vasopressin V2 Receptor staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in

the dark. DAPI was used to stain the cell nuclei (blue).

Anti-Vasopressin V2 Receptor Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Vasopressin V2 Receptor. The exact sequence is proprietary.