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AVPR2
Vasopressin V2 receptor

Catalog No.	CSH2163MP CSH2163PR	**Quantity:**	10 mg 50 µg

Alternate Names: Arginine Vasopressin Receptor 2, Renal-type arginine vasopressin receptor, V2R, AVPR V2, DIR3, ADHR, DI1, NDI

Description: Human Arginine Vasopressin Receptor V2 (AVPR2) is one of the three major receptor types for vasopressin (AVPR1A and AVPR1B being the others). The activity of this receptor is mediated by G proteins which activate adenylate cyclase. It is involved in renal water reabsorption and is expressed in the kidney tubule, predominantly in the distal convoluted tubule and collecting ducts, where its primary property is to respond to the pituitary hormone arginine vasopressin (AVP) by stimulating mechanisms that concentrate the urine and maintain water homeostasis in the organism.

The receptor is available in the following formats: stable over-expression cell line, membrane preparation, or purified receptor in HEK293 or CHO. Various tagged versions are available.

Gene ID: 554

UniProtKB: P30518

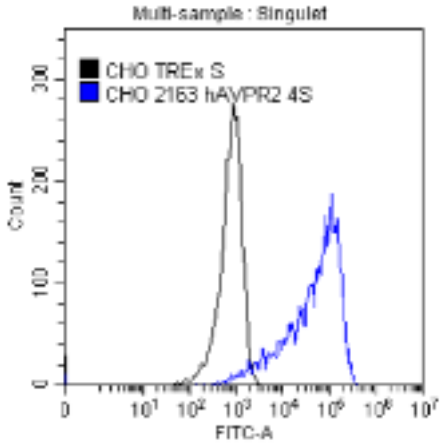
Format: Cell line, membrane preparation, or purified protein

Source: HEK 293 or CHO cells

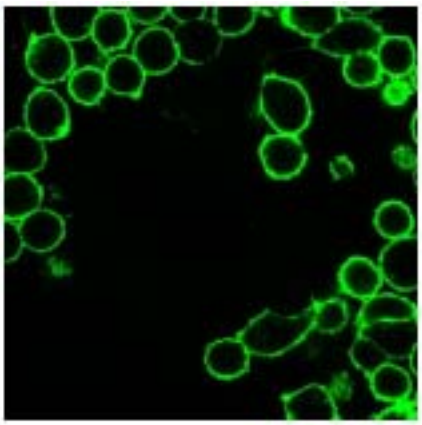
Characterization: Expression verified by flow cytometry. Receptor demonstrates biological activity when tested in a radioligand assay.

Affinity Tag Options: 2 x TwinStrep Tag at amino-terminus

Human AVPR2 receptor was stably overexpressed in CHO cells and expression was assessed by flow cytometry with Strep-Tactin Chromeo 488



Human AVPR2 receptor was stably overexpressed in CHO cells and expression was assessed by immunostaining with Strep-Tactin Chromeo 488



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com

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