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Vasopressin Receptor

National Cancer Institute

Source

National Cancer Institute. *Vasopressin Receptor*. NCI Thesaurus. Code C17345.

The biologic effects of arginine vasopressin (AVP) are mediated by 3 receptor subtypes: the V1A and V1B receptors that activate phospholipases via G alpha (q/11), and the V2 receptor that activates adenylyl cyclase by interacting with G alpha (s). This subfamily of G-protein coupled receptors also includes OXT receptors. Their activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. All are involved in the control of body fluid osmolality, blood volume, blood pressure, and vascular tone. (from OMIM)