abcam

Product datasheet

Human V2R peptide ab192052

Description

Product name	Human V2R peptide
Accession	P30518
Animal free	No
Nature	Synthetic
Species	Human

Specifications

Our Abpromise guarantee covers the use of **ab192052** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Blocking - Blocking peptide for Anti-V2R antibody (ab188748)
Form	Liquid
Additional notes	This is the blocking peptide for ab188748 This product was previously labelled as AVPR V2

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Constituent: PBS

General Info

Function	Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.
Tissue specificity	Kidney.
Involvement in disease	Defects in AVPR2 are the cause of nephrogenic syndrome of inappropriate antidiuresis (NSIAD) [MIM:300539]. This disorder is characterized by an inability to excrete a free water load, with inappropriately concentrated urine and resultant hyponatremia, hypoosmolarity, and natriuresis. Defects in AVPR2 are the cause of diabetes insipidus nephrogenic X-linked (XNDI) [MIM:304800]; also known as diabetes insipidus nephrogenic type 1. XNDI is caused by the

	inability of the renal collecting ducts to absorb water in response to arginine vasopressin. It is characterized by excessive water drinking (polydypsia), excessive urine excretion (polyuria), persistent hypotonic urine, and hypokalemia.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family. Vasopressin/oxytocin receptor subfamily.
Cellular localization	Cell membrane.

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