

AVP Receptor V3 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00775
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human AVPR1B. AA range:275-324
Mol wt	46971
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	AVP Receptor V3 Antibody
Synonyms	AVPR1B; AVPR3; VPR3; Vasopressin V1b receptor; V1bR; AVPR V1b; AVPR V3; Antidiuretic hormone receptor 1b; Vasopressin V3 receptor

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein (arginine vasopressin receptor 1B) encoded by AVPR1B acts as receptor for arginine vasopressin. This receptor belongs to the subfamily of G-protein coupled receptors which includes AVPR1A, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor is primarily located in the anterior pituitary, where it stimulates ACTH release. It is expressed at high levels in ACTH-secreting pituitary adenomas as well as in bronchial carcinoids responsible for the ectopic ACTH syndrome. A spliced antisense transcript of AVPR1B has been reported but its function is not known.

Recommended Dilution

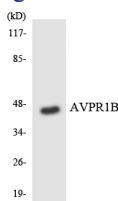
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

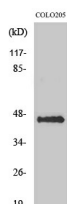
ELISA: 1: 20000

Not yet tested in other applications.

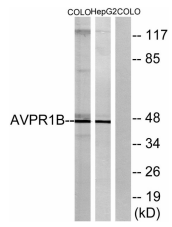
Images



Western blot analysis of the lysates from HUVEC cells using AVPR1B antibody.



Western Blot analysis of various cells using AVP Receptor V3 Polyclonal Antibody



Western blot analysis of lysates from COLO and HepG2 cells, using AVPR1B Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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