10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AVPR1B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14050b

Product Information

Application	WB, E
Primary Accession	P47901
Other Accession	NP_000698.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34126
Calculated MW	46971
Antigen Region	289-317

Additional Information

Gene ID	553
Other Names	Vasopressin V1b receptor, V1bR, AVPR V1b, AVPR V3, Antidiuretic hormone receptor 1b, Vasopressin V3 receptor, AVPR1B, AVPR3, VPR3
Target/Specificity	This AVPR1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 289-317 amino acids from the C-terminal region of human AVPR1B.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	AVPR1B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AVPR1B (HGNC:896)
Synonyms	AVPR3, VPR3
Function	Receptor for arginine vasopressin. The activity of this receptor is mediated

by G proteins which activate a phosphatidyl- inositol-calcium second messenger system.

Cellular Location Cell membrane; Multi-pass membrane protein

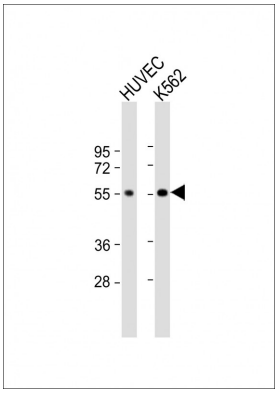
Background

The protein encoded by this gene 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 this gene has been reported but its function is not known.

References

van West, D., et al. Psychiatry Res 179(1):64-68(2010)
Binder, E.B., et al. Arch. Gen. Psychiatry 67(4):369-379(2010)
Bosker, F.J., et al. Mol. Psychiatry (2010) In press :
van West, D., et al. Psychiatr. Genet. 19(2):102-103(2009)
Tabakoff, B., et al. BMC Biol. 7, 70 (2009) :

Images



All lanes : Anti-AVPR1B Antibody (C-term) at 1:1000 dilution Lane 1: HUVEC whole cell lysate Lane 2: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 47 kDa Blocking/Dilution buffer: 5% NFDM/TBST.