

Product Name: AVP Receptor V3 Rabbit Polyclonal Antibody
Catalog #: APRab07380

Summary

Production Name	AVP Receptor V3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	AVPR1B
Alternative Names	AVPR1B; AVPR3; VPR3; Vasopressin V1b receptor; V1bR; AVPR V1b; AVPR V3; Antidiuretic hormone receptor 1b; Vasopressin V3 receptor
Gene ID	553.0
SwissProt ID	P47901.The antiserum was produced against synthesized peptide derived from human AVPR1B. AA range:275-324

Application

Dilution Ratio	WB 1:500-1:2000, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:20000.Not yet tested in other applications.
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Molecular Weight 47kDa

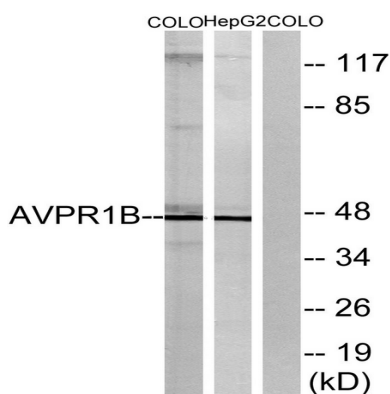
Background

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. [provided by RefSeq, Jul 2008],function:Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate a phosphatidyl-inositol-calcium second messenger system.,similarity:Belongs to the G-protein coupled receptor 1 family.,

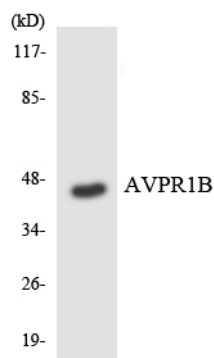
Research Area

Calcium;Neuroactive ligand-receptor interaction;Vascular smooth muscle contraction;

Image Data



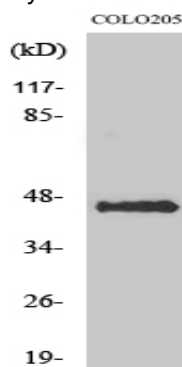
Western blot analysis of lysates from COLO and HepG2 cells, using AVPR1B Antibody. The lane on the right is blocked with the synthesized peptide.



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Western blot analysis of the lysates from HUVECcells using AVPR1B antibody.



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

Note

For research use only.