ELK Biotechnology

# AVP Receptor V3 rabbit pAb

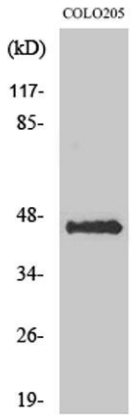
## Cat No.:ES1737

**For research use only**

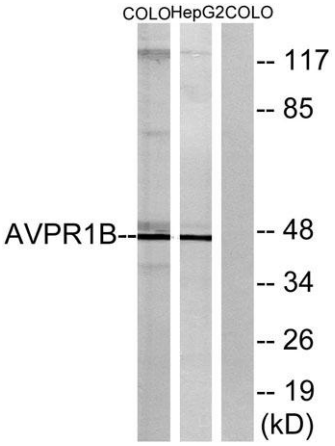
**Overview**

| | |
|---|---|
| **Product Name** | AVP Receptor V3 rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;IF;ELISA |
| **Species Cross-Reactivity** | Human;Rat;Mouse; |
| **Recommended dilutions** | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human AVPR1B. AA range:275-324 |
| **Specificity** | AVP Receptor V3 Polyclonal Antibody detects endogenous levels of AVP Receptor V3 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | Vasopressin V1b receptor |
| **Gene Name** | AVPR1B |
| **Cellular localization** | Cell membrane ; Multi-pass membrane protein . |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 47kD |
| **Human Gene ID** | 553 |
| **Human Swiss-Prot Number** | P47901 |
| **Alternative Names** | AVPR1B; AVPR3; VPR3; Vasopressin V1b receptor; V1bR; AVPR V1b; AVPR V3; Antidiuretic hormone receptor 1b; Vasopressin V3 receptor |
| **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],




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.

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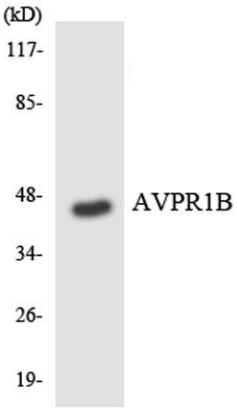


Western blot analysis of the lysates from HUVECcells using AVPR1B antibody.

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