

Order Information

Description: Rabbit anti- V1bR/AVPR1B
 Catalogue#: 500-10214
 Lot#: See the label
 Size: 100 ug/200 ul
 Host: Rabbit
 Clone: N/A
 Application: ELISA, WB, IHC(P)
 Reactivity: Hu, Ms, Rt

Rabbit anti V1bR/AVPR1B Polyclonal Antibody

Synonym: Arginine vasopressin receptor 1B (VR1b); VPR; AVPR1B;
 Antidiuretic hormone receptor 1B;

ANTIGEN PREPARATION

A synthetic peptide corresponding to the extracellular domain of V1b vasopressin receptor. This sequence is identical to human, mouse and rat.

BACKGROUND

The vasopressin r V1B eceptor V1bR is a member of the Vasopressin/Oxytocin G-protein coupled receptors family . The V1B receptor is expressed specifically in pituitary corticotropes and mediates the stimulatory effect of vasopressin on ACTH release. Vasopressin V1B receptor expression has been documented in the pituitary, pituitary tumors, pheochromocytoma, breast cancer, and small-cell lung carcinomas.

PURIFICATION

The rabbit polyclonal antibody is purified by epitope affinity purification.

SPECIFICITY

This antibody recognizes V1bR protein. It cross-reacts to human, mouse and rat. Others are not tested.

FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	1:200
Flow cytometry	Not tested

MOLECULAR WEIGHT:	~50 kDa
POSITIVE CONTROL:	Mouse pituitary tissue
CELLULAR LOCATION:	Cell Membrane

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



WB: Whole tissue lysate derived from mouse pituitary was resolved onto 10% SDS-PAGE, transferred onto NC membrane, then immunoprobed by anti-V1bR antibody (Lane 1) or pre-depleted antibody by the immunizing peptide (lane 2) at 1:500. The immune-reactive band around ~50kDa was abolished .

REFERENCES:

FERNANDO HERNANDO et al. Immunohistochemical Localization of the Vasopressin V1b Receptor in the Rat Brain and Pituitary Gland: Anatomical Support for Its Involvement in the Central Effects of Vasopressin. Endocrinology, 142 (40): 1659-1668 (2001).

FOR RESEARCH USE ONLY.



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