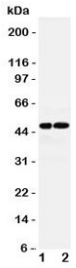
AVPR1A Antibody (R31372)

Catalog No.	Formulation	Size
R31372	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P30560
Applications	Western blot: 0.5-1ug/ml
Limitations	This AVPR1A antibody is available for research use only.



Western blot testing of AVPR1A antibody and Lane 1: rat liver lysate; 2: rat kidney lysate. Expected molecular weight: 47-85 kDa depending on glycosylation level.

Description

Arginine vasopressin receptor 1A (officially called AVPR1A) is one of the three major receptor types for arginine vasopressin (AVPR1B and AVPR2 being the others). It belongs to the subfamily of G-protein coupled receptors which includes AVPR1B, V2R and OXT receptors. This gene is mapped to 12q14.2. AVPR1A is present throughout the brain, as well as in the periphery, in the liver, kidney, and vasculature. The protein encoded by this gene acts as receptor for arginine vasopressin. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor mediates cell contraction and proliferation, platelet aggregation, release of coagulation factor and glycogenolysis.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the AVPR1A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of rat AVPR1A (HPLKTLQQPARRSRLMIAT) was used as the immunogen for this AVPR1A antibody.

Storage

After reconstitution, the AVPR1A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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