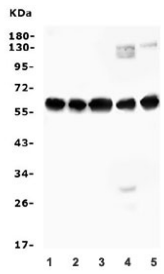
AVPR1A Antibody (RQ5565)

Catalog No.	Formulation	Size
RQ5565	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P37288
Applications	Western blot: 0.25-0.5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This AVPR1A antibody is available for research use only.



Western blot testing of human 1) A549, 2) A431, 3) HEK293, 4) ThP-1 and 5) Caco-2 cell lysate with AVPR1A antibody. 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 forarginine vasopressin(AVPR1BandAVPR2being 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

Optimal dilution of the AVPR1A antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids R43-K268) was used as the immunogen for the 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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