


Anti-V2R antibody ab188748

[3 References](#) [1 Image](#)

Overview

Product name	Anti-V2R antibody
Description	Rabbit polyclonal to V2R
Host species	Rabbit
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Hamster, Dog, Pig, Chimpanzee, Monkey, Baboon, Gorilla, Common marmoset, Orangutan, Bat 
Immunogen	Synthetic peptide within Human V2R (internal sequence). The exact sequence is proprietary. Synthetic 20 amino acid peptide from 3rd cytoplasmic domain of Human V2R. Database link: P30518 (Peptide available as ab192052)
Positive control	Human kidney, renal tubules tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab188748 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 26 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function

Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.

Tissue specificity

Kidney.

Involvement in disease

Defects in AVPR2 are the cause of nephrogenic syndrome of inappropriate antidiuresis (NSIAD) [MIM:300539]. This disorder is characterized by an inability to excrete a free water load, with inappropriately concentrated urine and resultant hyponatremia, hypoosmolarity, and natriuresis. Defects in AVPR2 are the cause of diabetes insipidus nephrogenic X-linked (XNDI) [MIM:304800]; also known as diabetes insipidus nephrogenic type 1. XNDI is caused by the inability of the renal collecting ducts to absorb water in response to arginine vasopressin. It is characterized by excessive water drinking (polydipsia), excessive urine excretion (polyuria), persistent hypotonic urine, and hypokalemia.

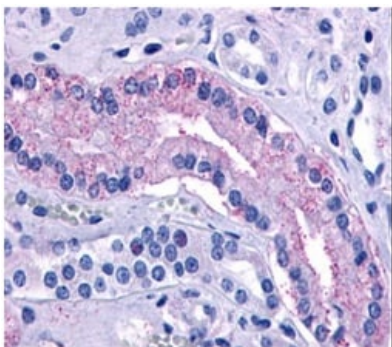
Sequence similarities

Belongs to the G-protein coupled receptor 1 family. Vasopressin/oxytocin receptor subfamily.

Cellular localization

Cell membrane.

Images



Immunohistochemical analysis of Human kidney, renal tubules labeling V2R using ab188748 at 26 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-V2R antibody (ab188748)

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