

AVPR1A Recombinant Rabbit Monoclonal Antibody (7H23L17)

Product Details	
Size	100 µg
Species	Human, Rat
Expression System	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	7H23L17
Conjugate	Unconjugated
Immunogen	Peptide corresponding to human AVPR1A [aa398-aa418]
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2734793

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:500	-
Immunofluorescence (IF)	1:500	-
Immunohistochemistry (IHC)	1:500	-
Western Blot (WB)	1:500	-

Product Specific Information

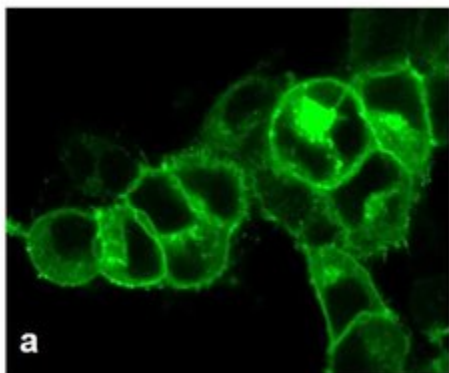
This antibody is predicted to react with Monkey, Rabbit, Cat.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For AVPR1A Recombinant Rabbit Monoclonal Antibody (7H23L17)

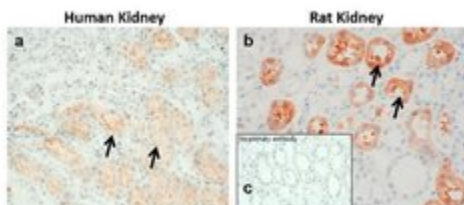
AVPR1A Antibody (702609) in IF

For immunofluorescence analysis, HEK-293 cells were stably transfected with human AVPR1A. After 24hr of transfection the cells were fixed and permeabilized for detection of AVPR1A using Anti-AVPR1A Recombinant Rabbit Monoclonal Antibody (Product # 702609, 1 µg/mL, 1:500 dilution) and labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate. Panel a) shows representative cells that were stained for detection of membrane localization of the AVPR1A on the transfected cells. The images were captured at 40X magnification.



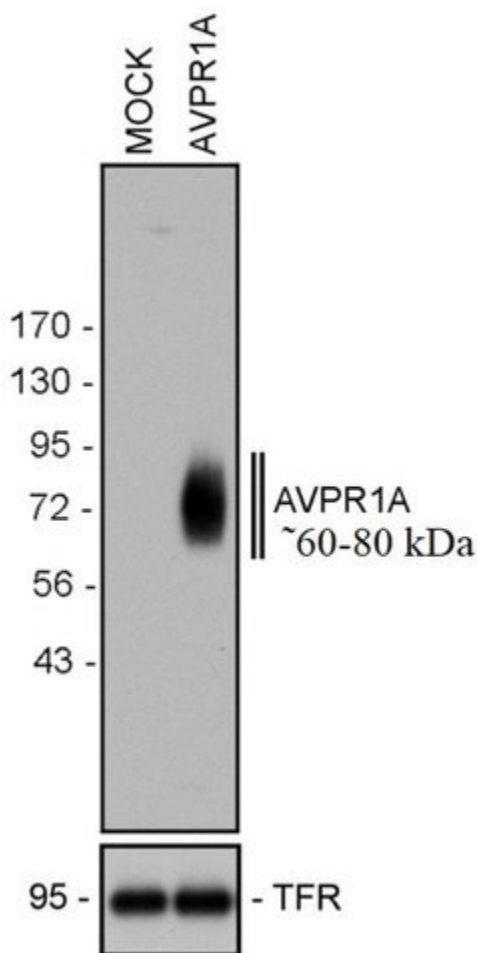
AVPR1A Antibody (702609) in IHC

Sections of Human and Rat Kidney were dewaxed, microwaved in citric acid and incubated with Anti-AVPR1A Recombinant Rabbit Monoclonal Antibody (Product # 702609, 1 µg/mL, 1:500 dilution). Sections were then sequentially treated with biotinylated Anti-rabbit IgG and AB solution. Sections were further developed in AEC and lightly counterstained with hematoxylin. Panel a and b) shows the specific localization of AVPR1A in Human and Rat Kidney respectively. Panel c) shows the no primary antibody control.



AVPR1A Antibody (702609) in WB

Western blot analysis was performed on HEK-293 cells stably transfected with human AVPR1A (Lane 2) and mock (Lane 1). Receptors were eluted from the beads using SDS sample buffer for 20 min at 45 °C. Extracts were separated on 7.5% SDS-polyacrylamide gels and blotted onto PVDF membranes. The blot was probed with Anti-AVPR1A Recombinant Rabbit Monoclonal Antibody (Product # 702609, 1 µg/mL, 1:500 dilution). An ~60-80 kDa band corresponding to AVPR1A was observed only in the transfected cell line.



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