

AQP3 Rabbit Polyclonal Antibody

Catalog No: #54722

Package Size: #54722-1 50ul #54722-2 100ul

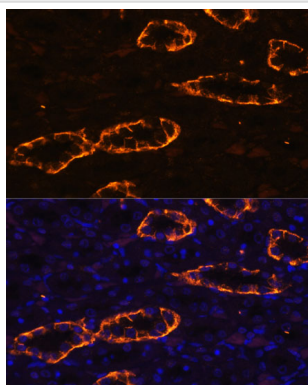
Description

Product Name	AQP3 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human AQP3 (NP_004916.1).
Conjugates	Unconjugated
Other Names	AQP3;AQP-3;GIL
Accession No.	Swiss Prot:Q92482GeneID:360
Calculated MW	29kDa/31kDa
SDS-PAGE MW	31kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

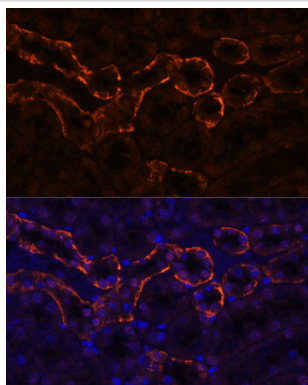
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

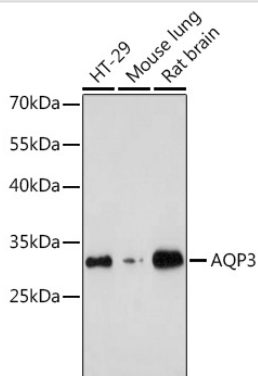
Images



Immunofluorescence analysis of rat kidney using AQP3 at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse kidney using AQP3 at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using AQP3 at 1:1000 dilution.

Background

This gene encodes the water channel protein aquaporin 3. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein, also known as aquaporin 0. Aquaporin 3 is localized at the basal lateral membranes of collecting duct cells in the kidney. In addition to its water channel function, aquaporin 3 has been found to facilitate the transport of nonionic small solutes such as urea and glycerol, but to a smaller degree. It has been suggested that water channels can be functionally heterogeneous and possess water and solute permeation mechanisms. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

Published Papers

el at., Short-term skin reactions and changes in stratum corneum following different ways of facial sheet mask usage. In J Tissue Viability on 2024 Jun 28 by Yixin Wang, Yuegang Cao,et al..PMID:38951050, , (2024)
[PMID:38951050](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.