

# AQP3 Rabbit pAb

Catalog No.: A25607

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

32kDa

### Category

Primary antibody

### Applications

ELISA, IHC-P

### Cross-Reactivity

Human

## 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.

## Recommended Dilutions

IHC 1:50 - 1:200

## Immunogen Information

### Gene ID

360

### Swiss Prot

Q92482

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 193-292 of human AQP3 (NP\_004916.1).

### Synonyms

GIL; AQP-3; AQP3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

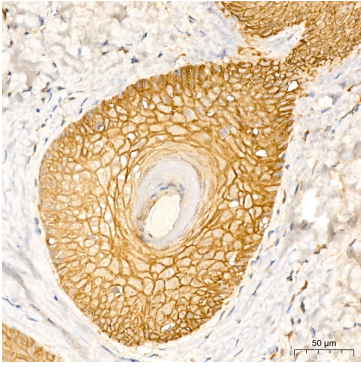
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

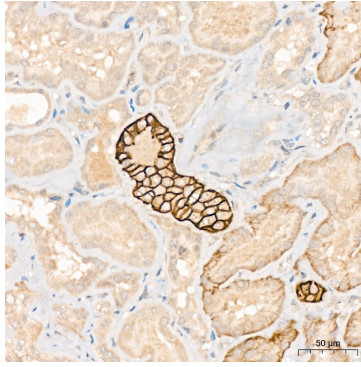
Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data

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Immunohistochemistry analysis of AQP3 in paraffin-embedded Human skin tissue using AQP3 Rabbit pAb (A25607) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



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