

## AQP3

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**32kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human AQP3

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

GIL; AQP-3;

**Catalog #:**A2838

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**360

**Isotype:**IgG

**Swiss Prot:**Q92482

**Purity:**Affinity purification

For research use only.

**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.

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