

## AQP3 Polyclonal Antibody

catalog number: E-AB-70279

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	KLH conjugated Synthetic peptide corresponding to rat Aquaporin 3
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

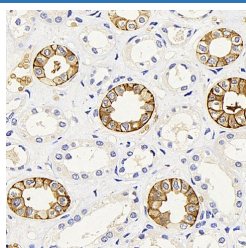
### Applications

### Recommended Dilution

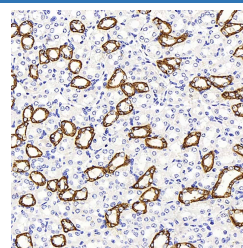
IHC

1:200-1:800

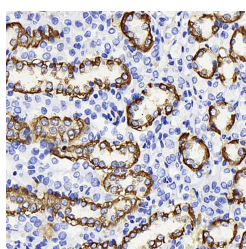
### Data



Immunohistochemistry analysis of paraffin-embedded human kidney using AQP3 Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded mouse kidney using AQP3 Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded rat kidney using AQP3 Polyclonal Antibody at dilution of 1:300.

### Preparation & Storage

#### Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

#### Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### 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.

### For Research Use Only