

## Anti-AQP3 antibody

<b>Cat. No.</b>	ml260100
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-AQP3 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human AQP3
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.3 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	AQP3
<b>Full name</b>	aquaporin 3 (Gill blood group)

**Synonyms** GIL; AQP-3

**Swissprot** Q92482

#### **Target 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.

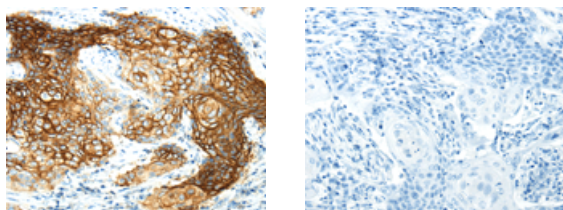
## Applications

### Immunohistochemistry

Predicted cell location: Cell membrane

Positive control: Human cervical cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml260100(AQP3 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

### Western blotting

Predicted band size: 32 kDa

Positive control: A549 cells

Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

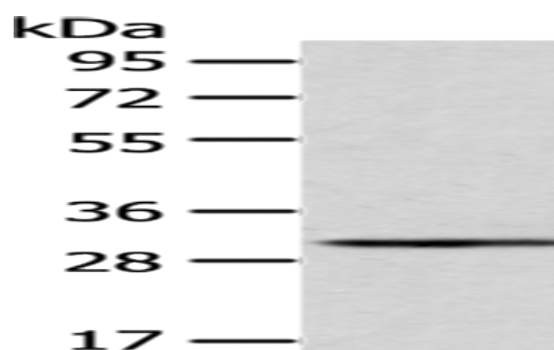
Lysate: 40  $\mu$ g

Lane: A549 cells

Primary antibody: ml260100(AQP3 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



#### ELISA

Recommended dilution: 1000-2000

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