

## Anti-Aquaporin-3/AQP3 Polyclonal Antibody

### Product Details

Ig Type: IgG  
Reactivity: Human (predicted:Mouse,Rat)  
Molecular Weight: Theoretical: 32 kDa.  
Purification: Protein A purified

### Applications

#### Verified Activity:

1. Blank control (black line): A431. Primary Antibody (green line): Rabbit Anti-AQP3 antibody (TMAB-00136)

Dilution: 1 µg/Test;

Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488

Dilution: 0.5 µg/Test.

Isotype control (orange line): Normal Rabbit IgG

Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

2. Blank control: Hela.

Primary Antibody (green line): Rabbit Anti-AQP3 antibody (TMAB-00136)

Dilution: 3 µg/10<sup>6</sup> cells;

Isotype Control Antibody (orange line): Rabbit IgG.

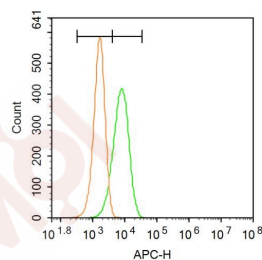
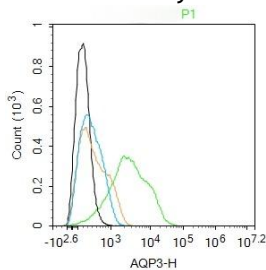
Secondary Antibody: Goat anti-rabbit IgG-AF647

Dilution: 3 µg/test.

Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature.

The secondary antibody used for 40 min at room temperature.



Application: FCM

## A DRUG SCREENING EXPERT

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Recommended FCM: 2ug/Test

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### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: mouse AQP3

Antigen Species: Mouse

Gene ID: 11828

Uniprot ID: Q8R2N1

Synonyms: Aquaporin 3(Gill blood group);Aquaporin 3(GIL blood group);Aquaporin3;AQP 3;Gill blood group;Aquaporin-3;GIL;AQP3

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### Research 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. [provided by RefSeq, Aug 2011]

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