

Datasheet for ABIN2486360
anti-AQP3 antibody (C-Term) (Biotin)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | AQP3 |
| Binding Specificity: | C-Term |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This AQP3 antibody is conjugated to Biotin |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Produced against the C-terminal peptide (Sequence N-CHLEQPPPSTEAEENVKLAHMKHKEQI) of rat aquaporin 3 |
| Specificity: | Detects ~31.5 kDa. May detect larger glycosylated bands ~35-50 kDa. |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Protein A Purified |

Target Details

| | |
|-------------------|---|
| Target: | AQP3 |
| Alternative Name: | Aquaporin 3 (AQP3 Products) |

Target Details

Background: Aquaporins selectively conduct water molecules in and out of the cell, while preventing the passage of ions and other solutes. Known as water channels, they are integral membrane pore proteins (1, 2). Aquaporin 3 is found in the basolateral cell membrane of principal collecting duct cells and provide a pathway for water to exit these cells (3). AQP3 gene expression is not regulated by vasopressin (4).

Gene ID: 65133

NCBI Accession: [NP_113891](#)

UniProt: [P47862](#)

Application Details

Application Notes:

- WB (1:2000)
- IHC (1:200)
- ICC/IF (1:400)
- optimal dilutions for assays should be determined by the user.

Comment: 0.5 µg/ml of ABIN2486360 was sufficient for detection of aquaporin 3 in 10 µg of rat kidney tissue lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

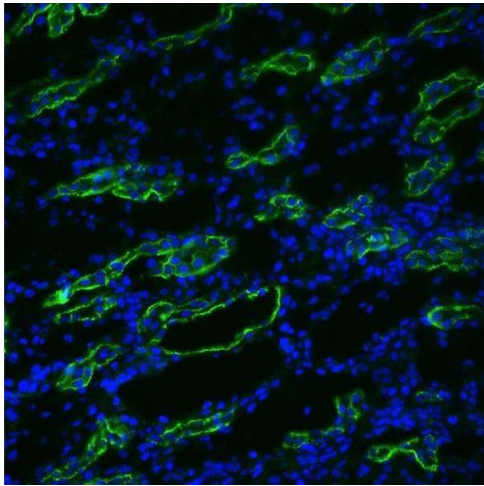
Buffer: PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

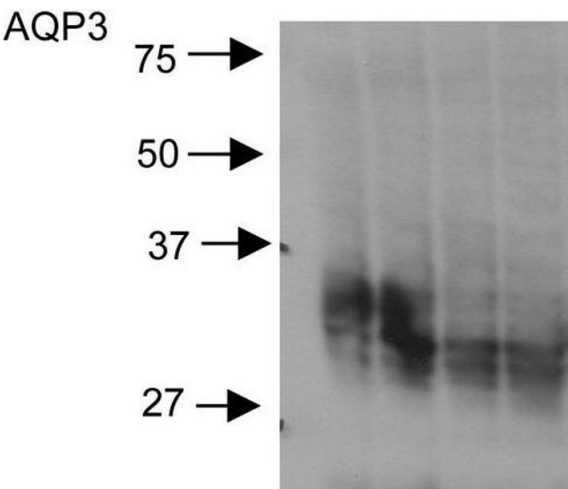
Storage: 4 °C

Storage Comment: Conjugated antibodies should be stored at 4°C



Immunohistochemistry

Image 1. Immunohistochemistry analysis using Rabbit Anti-Aquaporin 3 Polyclonal Antibody . Tissue: kidney tissue. Species: Rat. Primary Antibody: Rabbit Anti-Aquaporin 3 Polyclonal Antibody at 1:200. Secondary Antibody: FITC Goat Anti-Rabbit (green).



Western Blotting

Image 2. Western blot analysis of Rat kidney inner medullary homogenates showing detection of Aquaporin 3 protein using Rabbit Anti-Aquaporin 3 Polyclonal Antibody . Primary Antibody: Rabbit Anti-Aquaporin 3 Polyclonal Antibody at 1:2000.