

Datasheet for ABIN2486351
anti-AQP3 antibody (C-Term) (Atto 488)[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 Atto 488
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).
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Gene ID:	65133
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NCBI Accession:	NP_113891
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UniProt:	P47862
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Application Details

Application Notes:	<ul style="list-style-type: none">• WB (1:2000)• IHC (1:200)• ICC/IF (1:400)• optimal dilutions for assays should be determined by the user.
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Comment:	0.5 µg/ml of ABIN2486351 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.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 mg/mL
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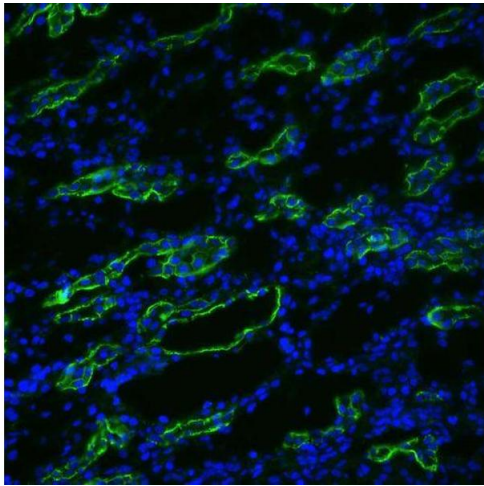
Buffer:	PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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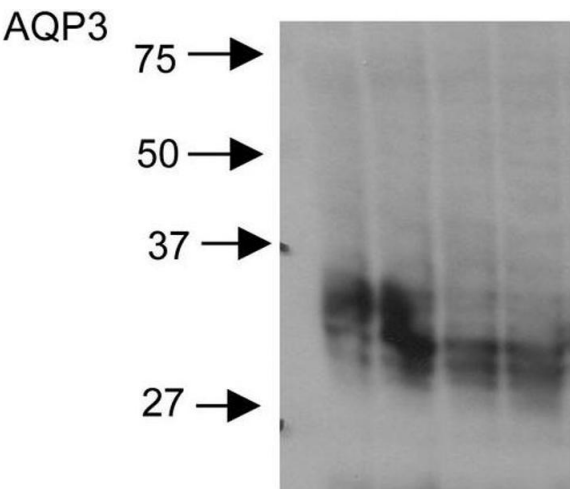
Storage:	4 °C
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Storage Comment:	Conjugated antibodies should be stored at 4°C
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Immunohistochemistry

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.