

Datasheet for ABIN7432103  
**anti-AQP2 antibody (AA 177-271)**

## 5 Images

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	AQP2
Binding Specificity:	AA 177-271
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AQP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

## Product Details

Purpose:	Polyclonal Antibody to Aquaporin 2, Collecting Duct (AQP2)
Immunogen:	Recombinant Aquaporin 2, Collecting Duct (AQP2) corresponding to His177~Ala271 (Accession # P41181) with N-terminal His and GST Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against AQP2. It has been selected for its ability to recognize AQP2 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

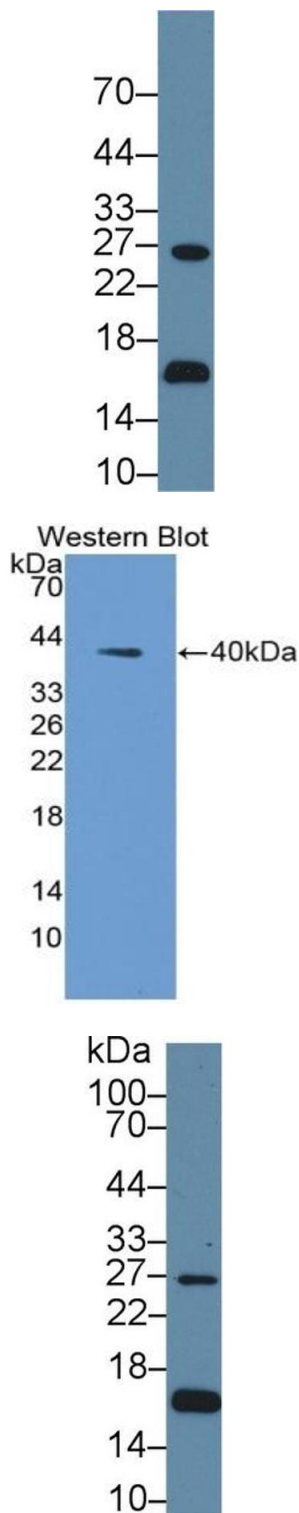
Target:	AQP2
Alternative Name:	Aquaporin 2, Collecting Duct ( <a href="#">AQP2 Products</a> )
Background:	AQP-CD, WCH-CD, ADH water channel, Aquaporin-CD, Collecting duct water channel protein, Water channel protein for renal collecting duct
Pathways:	<a href="#">Response to Water Deprivation</a>

## Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:500-2000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



#### Western Blotting

**Image 1.** Detection of AQP2 in Human 293T cell lysate using Polyclonal Antibody to Aquaporin 2, Collecting Duct (AQP2)

#### Western Blotting

**Image 2.** Detection of Recombinant AQP2, Human using Polyclonal Antibody to Aquaporin 2, Collecting Duct (AQP2)

#### Western Blotting

**Image 3.** Detection of AQP2 in Human Hela cell lysate using Polyclonal Antibody to Aquaporin 2, Collecting Duct (AQP2)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7432103.