

Datasheet for ABIN7042944

**anti-Aquaporin 8 antibody (Intracellular, N-Term)**

4 Images

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## Overview

Quantity:	50 µL
Target:	Aquaporin 8 (AQP8)
Binding Specificity:	AA 14-28, Intracellular, N-Term
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)REIKGKETNMADSYH, corresponding to amino acid residues 14-28 of rat AQP8
Isotype:	IgG
Characteristics:	Anti-Aquaporin 8 Antibody (ABIN7042944 and ABIN7045205)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize AQP8 from rat samples only.
Purification:	Affinity purified on immobilized antigen.

## Target Details

Target:	Aquaporin 8 (AQP8)
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## Target Details

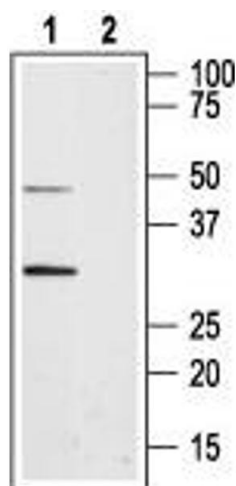
Alternative Name:	Aquaporin 8 ( <a href="#">AQP8 Products</a> )
Background:	Alternative names: Aquaporin 8, AQP8
Gene ID:	29172
NCBI Accession:	<a href="#">NM_001169</a>
UniProt:	<a href="#">P56405</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
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:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



#### Western Blotting

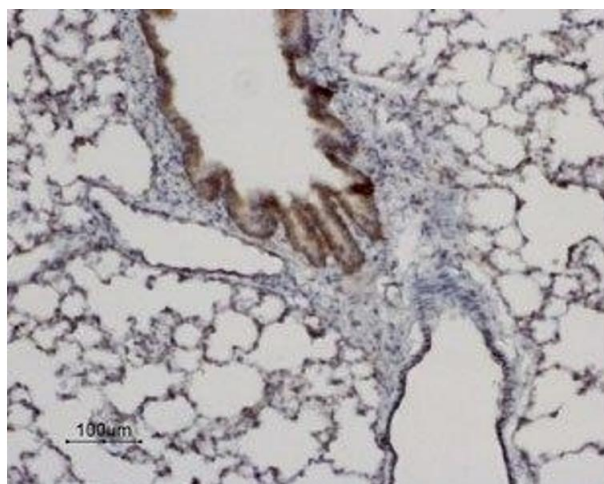
**Image 1.** Western blot analysis of rat pancreas membranes:

- 1. Anti-Aquaporin 8 Antibody (ABIN7042944 and ABIN7045205), (1:400). 2. Anti-Aquaporin 8 Antibody, preincubated with Aquaporin 8 Blocking Peptide (#BLP-QP008).



#### Immunohistochemistry

**Image 2.** Expression of AQP8 in rat pancreas - Immunohistochemical staining of rat pancreas paraffin-embedded sections using Anti-Aquaporin 8 Antibody (ABIN7042944 and ABIN7045205), (1:100). Staining (brown) is specific for the apical portion of acinar cells in the exocrine pancreas. Hematoxylin is used as the counterstain.



#### Immunohistochemistry

**Image 3.** Expression of AQP8 in rat lung - Immunohistochemical staining of rat lung paraffin-embedded sections using Anti-Aquaporin 8 Antibody (ABIN7042944 and ABIN7045205), (1:100). Staining (brown) is specific for the bronchiolar epithelium. Hematoxylin is used as the counterstain.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7042944.