

Datasheet for ABIN7042941

anti-Aquaporin 5 antibody (C-Term, Intracellular)[Go to Product page](#)**2** Images

Overview

Quantity:	25 µL
Target:	Aquaporin 5 (AQP5)
Binding Specificity:	AA 251-265, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aquaporin 5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DHREERKKTIeltaH corresponding to amino acid residues 251-265 of rat AQP5
Isotype:	IgG
Characteristics:	Anti-Aquaporin 5 Antibody (ABIN7042941, ABIN7045200 and ABIN7045201)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunocytochemistry and immunohistochemistry applications. It has been designed to recognize AQP5 from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

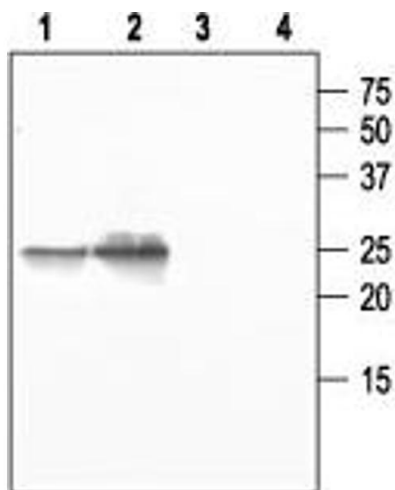
Target:	Aquaporin 5 (AQP5)
Alternative Name:	Aquaporin 5 (AQP5 Products)
Background:	Alternative names: Aquaporin 5, AQP5
Gene ID:	25241
NCBI Accession:	NM_001651
UniProt:	P47864

Application Details

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

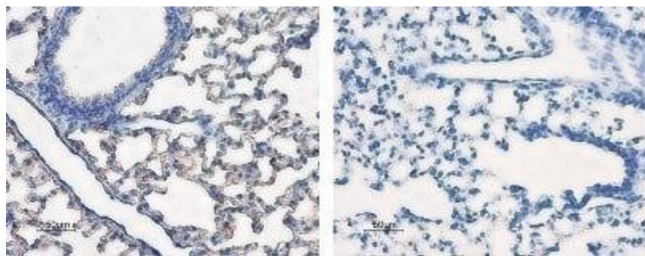
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.4 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 mouse salivary gland (1 and 3) and rat lung (2 and 4): - 1,2. Anti-Aquaporin 5 Antibody (ABIN7042941, ABIN7045200 and ABIN7045201), (1:200).3,4. Anti-Aquaporin 5 Antibody, preincubated with Aquaporin 5 Blocking Peptide (#BLP-QP005).



Immunohistochemistry

Image 2. Expression of AQP5 in rat lung - Immunohistochemical staining of rat lung sections using Anti-Aquaporin 5 Antibody (ABIN7042941, ABIN7045200 and ABIN7045201), (left panel). The strong staining in the alveoli (red brown) is consistent with type 1 pneumocytes (arrows). Counterstain of cell nuclei appears blue. A negative control is shown in the right panel.