

Datasheet for ABIN7265653  
**anti-Aquaporin 4 antibody**

## 4 Images

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Aquaporin 4 (AQP4)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Aquaporin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Purpose:	Aquaporin-4 (AQP4) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Aquaporin-4 (Aquaporin-4 (AQP4))
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	Aquaporin 4 (AQP4)
Alternative Name:	AQP4 ( <a href="#">AQP4 Products</a> )
Background:	This gene encodes a member of the aquaporin family of intrinsic membrane proteins that

## Target Details

function as water-selective channels in the plasma membranes of many cells. This protein is the predominant aquaporin found in brain and has an important role in brain water homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Dec 2015],MIWC, WCH4,Cancer,Endocrine & Metabolism,Neurodegenerative Diseases Markers,Neuroscience,Other Neurological disorders,Signal Transduction,AQP4

Molecular Weight: kDa

Gene ID: 361

UniProt: [P55087](#)

Pathways: [Sensory Perception of Sound](#)

## Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

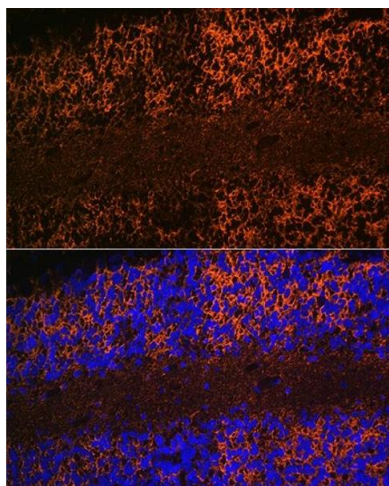
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

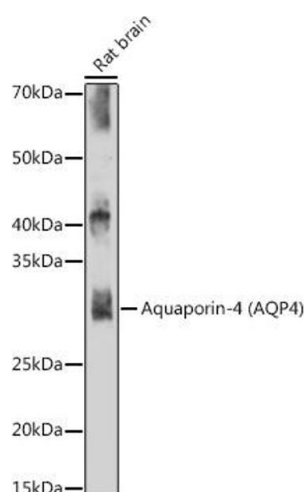
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



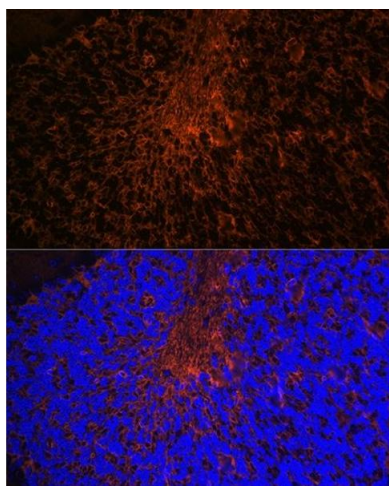
#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of rat brain using Aquaporin-4 (Aquaporin-4 ) Rabbit mAb (ABIN7265653) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### Western Blotting

**Image 2.** Western blot analysis of extracts of Rat brain, using Aquaporin-4 (Aquaporin-4 ) antibody (ABIN7265653) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



#### Immunofluorescence

**Image 3.** Immunofluorescence analysis of mouse brain using Aquaporin-4 (Aquaporin-4 ) Rabbit mAb (ABIN7265653) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7265653.