

Datasheet for ABIN7144516
anti-Aquaporin 4 antibody (AA 253-323)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	Aquaporin 4 (AQP4)
Binding Specificity:	AA 253-323
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aquaporin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Aquaporin-4 protein (253-323AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	Aquaporin 4 (AQP4)
Alternative Name:	AQP4 (AQP4 Products)
Background:	Background: Forms a water-specific channel. Osmoreceptor which regulates body water balance and mediates water flow within the central nervous system.

Target Details

Aliases: AQP 4 antibody, AQP-4 antibody, AQP4 antibody, AQP4_HUMAN antibody, Aquaporin type 4 antibody, Aquaporin-4 antibody, Aquaporin4 antibody, HMIWC 2 antibody, HMIWC2 antibody, Mercurial insensitive water channel antibody, Mercurial-insensitive water channel antibody, MGC22454 antibody, MIWC antibody, WCH 4 antibody, WCH4 antibody

UniProt: [P55087](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

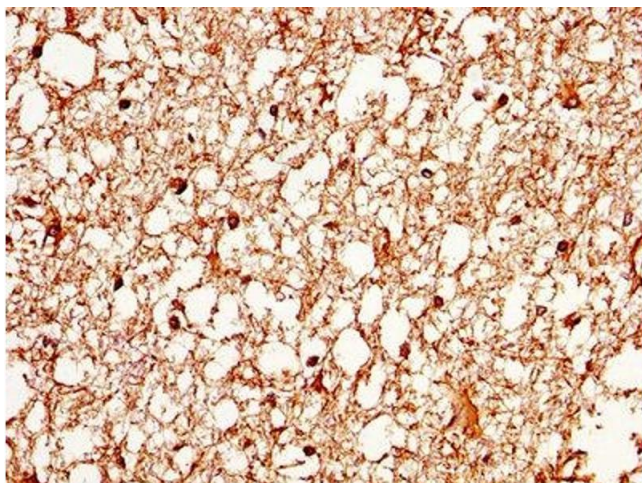
Preservative: ProClin

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

Storage: -20 °C,-80 °C

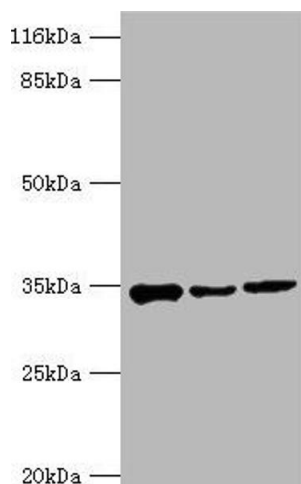
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

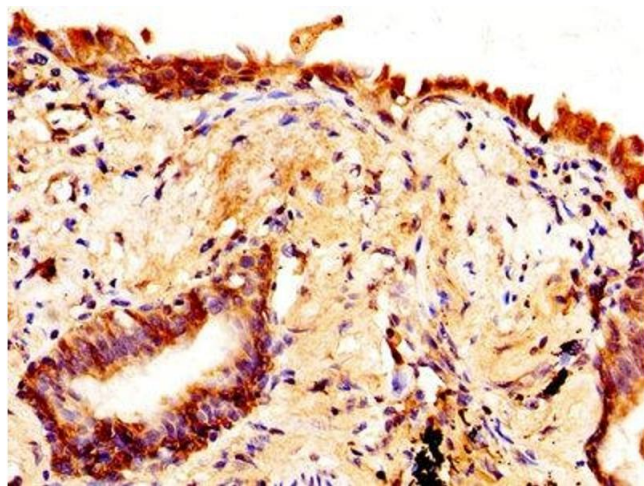
Image 1. IHC image of ABIN7144516 diluted at 1:370 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and



visualized using an HRP conjugated SP system.

Western Blotting

Image 2. Western blot All lanes: AQP4 antibody at 2 µg/mL
Lane 1: Mouse heart tissue Lane 2: Mouse brain tissue Lane 3: Mouse kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 35, 33 kDa
Observed band size: 35 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7144516 diluted at 1:370 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7144516.