

# Aquaporin 4 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide within C-terminal human Aquaporin 4 (Cytoplasmic domain)
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	TBS, pH 7.4, with 50% glycerol, 0.2% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2913390

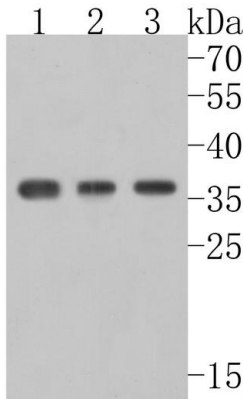
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:1,000	-
Immunocytochemistry (ICC/IF)	1:50-1:100	-

## Product Specific Information

Positive Control: Rat brain tissue lysate, mouse lung tissue lysate, human stomach tissue lysate, HepG2, human lung tissue.

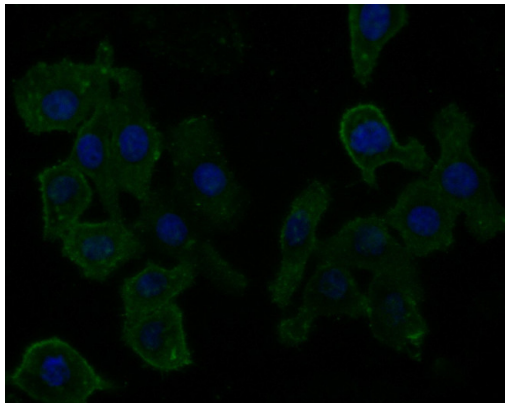
Subcellular Location: Cell membrane, Basolateral cell membrane, sarcolemma, Endosome membrane, Cell projection.

Product Images For Aquaporin 4 Polyclonal Antibody



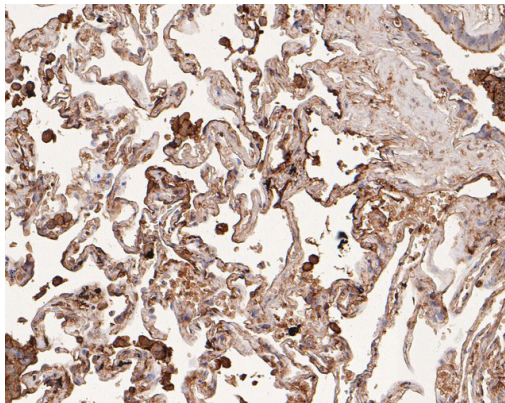
**Aquaporin 4 Antibody (PA5-119818) in WB**

Western blot analysis of Aquaporin 4 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. Aquaporin 4 Polyclonal Antibody (Product # PA5-119818) at 1:500 was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Rat brain tissue lysate. Lane 2: Mouse lung tissue lysate. Lane 3: Human stomach tissue lysate.



**Aquaporin 4 Antibody (PA5-119818) in ICC/IF**

Immunocytochemistry-Immunofluorescence analysis of Aquaporin 4 in HepG2 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with Aquaporin 4 Polyclonal Antibody (Product # PA5-119818) at a dilution of 1:50 for 1 hour at room temperature, washed with PBS. Alexa Fluor 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1:1,000 dilution. The nuclear counter stain is DAPI (blue).



**Aquaporin 4 Antibody (PA5-119818) in IHC (P)**

Immunohistochemistry (Paraffin) analysis of paraffin-embedded human lung tissue using Aquaporin 4 Polyclonal Antibody (Product # PA5-119818). The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the Aquaporin 4 antibody at a dilution of 1:1,000 for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

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