

Aquaporin 2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Aquaporin 2 (241-271aa EPDTDWEEREVRRRQSVELHSPQSLPRGTKA).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide
Storage conditions	-20°C
RRID	AB_2745925

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Flow Cytometry (Flow)	1-3 µg/1x10^6 cells	-

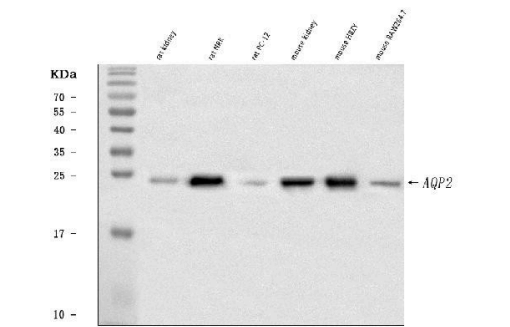
Product Specific Information

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For Aquaporin 2 Polyclonal Antibody

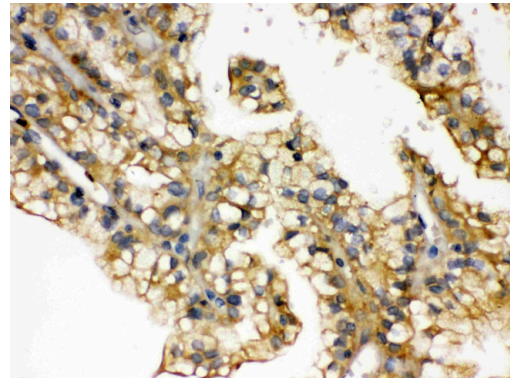
Aquaporin 2 Antibody (PA5-78809) in WB

Western blot analysis of Aquaporin 2 in, Lane 1: rat kidney tissue lysates, Lane 2: rat NRK whole cell lysates, Lane 3: rat PC-12 whole cell lysates, Lane 4: mouse kidney tissue lysates, Lane 5: mouse HBZY whole cell lysates, Lane 6: mouse RAW264. 7 whole cell lysates. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 µg of sample under reducing conditions. After Electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. The membrane was blocked with 5% non-fat milk/TBS for 1. 5 hour at RT. The membrane was incubated with Aquaporin 2 Polyclonal Antibody (Product # PA5-78809) at 0.5 g/mL overnight at 4°C, then washed with TBS-0. 1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1: 5,000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit. A specific band was detected for Aquaporin 2 at approximately 26 kDa. The expected band size for Aquaporin 2 is at 26 kDa.



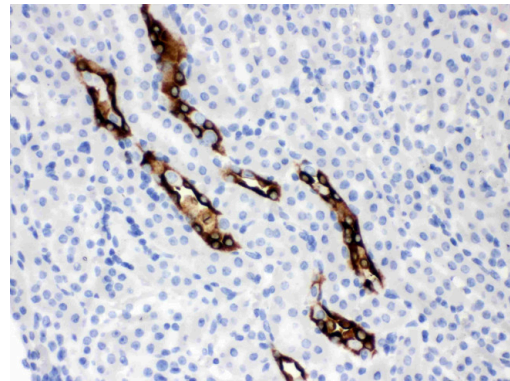
Aquaporin 2 Antibody (PA5-78809) in IHC (P)

Immunohistochemistry analysis of Aquaporin 2 on paraffin-embedded human renal cancer tissue. Antigen retrieval was performed using citrate buffer (pH6, epitope retrieval solution) for 20 mins. Sample was blocked using 10% goat serum, incubated with Aquaporin 2 polyclonal antibody (Product# PA5-78809) with a dilution of 1 µg/mL (overnight at 4°C), and followed by biotinylated goat anti-rabbit IgG (30 minutes at 37°C). Development was performed using Streptavidin-Biotin-Complex (SABC) with DAB chromogen method.



Aquaporin 2 Antibody (PA5-78809) in IHC (P)

Immunohistochemistry analysis of Aquaporin 2 on paraffin-embedded mouse kidney tissue. Antigen retrieval was performed using citrate buffer (pH6, epitope retrieval solution) for 20 mins. Sample was blocked using 10% goat serum, incubated with Aquaporin 2 polyclonal antibody (Product# PA5-78809) with a dilution of 1 µg/mL (overnight at 4°C), and followed by biotinylated goat anti-rabbit IgG (30 minutes at 37°C). Development was performed using Streptavidin-Biotin-Complex (SABC) with DAB chromogen method.



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