

AB-NN200-1

Aquaporin 2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of rat Aquaporin 2



KINEXUS

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Target Protein

Name Long:	Aquaporin 2
Alias:	ADH water channel, AQP 2, AQP CD, AQP-2, AQP-CD, AQP2, AQP2_HUMAN, AQP2CD, Aquaporin 2 collecting duct, Aquaporin CD, Aquaporin-2, Aquaporin-CD, Aquaporin2, Aquaporine 2, Collecting duct water channel protein, MGC34501, Water channel aquaporin 2, Water channel protein for renal collecting duct, WCH CD, WCH-CD, WCHCD
UniProt ID:	P34080 - Rat
Human Predicted Mass (KDa):	28.837 (271 AA; P41181-1)
Observed SDS-PAGE Mass (KDa):	29

Immunogen

Antibody Immunogen Source:	Produced against the C-terminal peptide (Sequence N-CLKGLEPDTDWEEREVRRRQ) of rat aquaporin 2
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Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	57 Mix
Antibody Purification:	Affinity purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF
Antibody Dilution Recommended:	WB (1:2000), ICC/IF (1:400); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	0.5 µg/ml of SPC-503 was sufficient for detection of aquaporin 2 in 10 µg of rat kidney tissue lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~28.8 kDa protein. May detect larger glycosylated ~35-50 kDa proteins.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987