

For Research Use Only

AQP2 Recombinant antibody

Catalog Number: 85402-1-RR



Basic Information

Catalog Number:

85402-1-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29931

GenBank Accession Number:

NM_000486

GeneID (NCBI):

359

UNIPROT ID:

P41181

Full Name:

aquaporin 2 (collecting duct)

Calculated MW:

29 kDa

Observed MW:

28-29, 35-38 kDa

Purification Method:

Protein A purification

CloneNo.:

242886B8

Recommended Dilutions:

WB 1:20000-1:100000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : mouse kidney tissue, unboiled mouse kidney tissue

Background Information

AQP2 (Aquaporin2) is a water channel protein that is widely distributed among mammalian tissues and plays a major role in water homeostasis. AQP2 is mainly found in the apical cell membranes of the kidney's collecting duct cells and is critical for urinary concentration. AQP2 can be glycosylated and this antibody recognizes the 28-29 kDa non-glycosylated as well as the 35-40 kDa glycosylated forms of AQP2.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

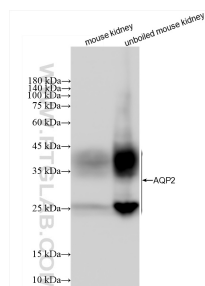
T: 4006900926

E: Proteintech-CN@ptglab.com

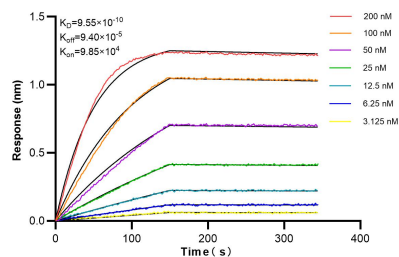
W: ptgcn.com

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Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 85402-1-RR (AQP2 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85402-1-RR against Human AQP2 were performed. The affinity constant is 0.955 nM.