

Aquaporin 4 Mouse Monoclonal Antibody

Catalog No: #38017

Package Size: #38017 100ul

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Description

Product Name	Aquaporin 4 Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	MR4540
Purification	Affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Hu Rt Ms
Specificity	The Aquaporin 4 Mouse Monoclonal antibody detects endogenous Aquaporin 4 proteins.
Conjugates	Unconjugated
Target Name	Aquaporin 4
Other Names	AQP-4; AQP4; aquaporin 4; aquaporin type4; Aquaporin-4; HMIWC2
Accession No.	Swiss-Prot#:P55087
SDS-PAGE MW	26kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

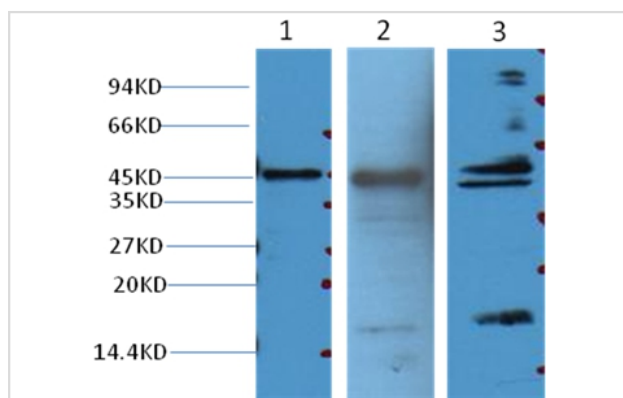
Application Details

WB dilution: 1:1000~1:2000

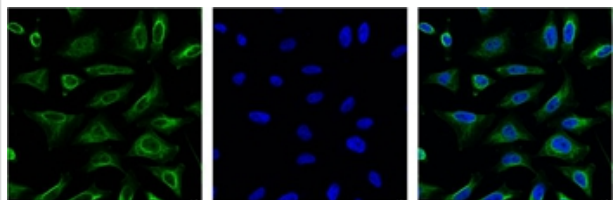
IF dilution: 1:100-200

IHC dilution:1:50-300

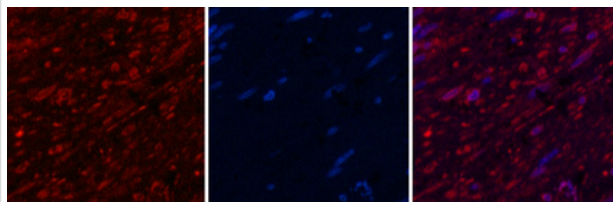
Images



All lanes : Aquaporin 4 Mouse mAb at 1/2k dilution Lane 1 : Hela whole cell lysates Lane 2 : Mouse Heart tissue Lane 3 : Rat Heart Tissue All lanes : Goat Anti-Mouse IgG H&L (HRP) at 1/20000 dilution Predicted band size: 26 kDa Observed band size: 45 kDa Exposure time: 7 seconds



IF analysis of HeLa with #38017(Left) and DAPI (Right) diluted at 1:100.

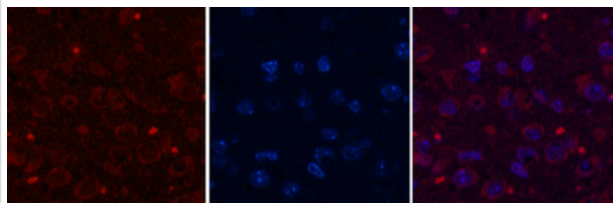


A

B

C

Immunofluorescence analysis of Human-appendix tissue. 1,Aquaporin 4 Monoclonal Antibody(4H1)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

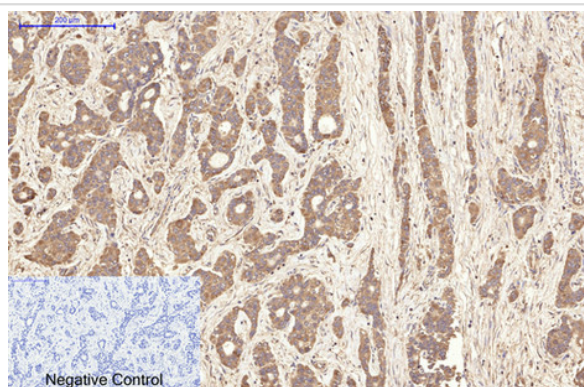


A

B

C

Immunofluorescence analysis of Mouse-brain tissue. 1,Aquaporin 4 Monoclonal Antibody(4H1)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1,Aquaporin 4 Monoclonal Antibody(4H1) was diluted at 1:200(4C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

Background

Aquaporin 4 belongs to the Aquaporin family of integral membrane proteins that conduct water through the cell membrane.

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