

## Anti-AQP4 antibody [4H1] (STJ96964)

STJ96964

### GENERAL INFORMATION

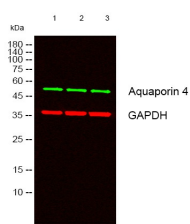
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Mouse monoclonal antibody anti-Aquaporin-4 is suitable for use in Western Blot, Immunohistochemistry, Immunofluorescence and Immunocytochemistry research applications.
<b>Applications</b>	WB, IHC-P, IF, ICC
<b>Host/Source</b>	Mouse
<b>Reactivity</b>	Human, Mouse, Rat

### PRODUCT PROPERTIES

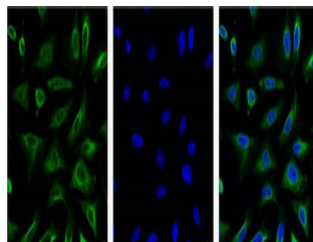
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	4H1
<b>Concentration</b>	
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	The antibody was isolated from ascitic fluid by immunoaffinity chromatography using antigens coupled to agarose beads.
<b>Dilution Range</b>	WB 1:1000 IF 1:100-200 IHC 1:50-300
<b>Formulation</b>	PBS, pH 7.4, 0.5% BSA, 0.02% Sodium Azide and 50% Glycerol.
<b>Isotype</b>	IgG1
<b>Storage Instruction</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

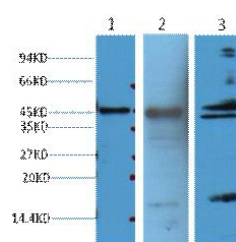
<b>Gene ID</b>	361
<b>Gene Symbol</b>	AQP4
<b>Uniprot ID</b>	AQP4_HUMAN
<b>Immunogen</b>	Synthetic peptide of Aquaporin 4
<b>Immunogen Region</b>	
<b>Specificity</b>	AQP4 monoclonal antibody (Aquaporin-4) binds to endogenous Aquaporin-4.
<b>Immunogen Sequence</b>	



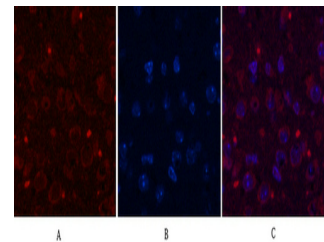
Western blot analysis of lysates from 1) HeLa, 2) Mouse Heart tissue, 3) Rat Heart Tissue cells. (Green) primary antibody was diluted at 1:1000, 4°C over night, secondary antibody (cat: NA) was diluted at 1:10000, 37°C 1hour. (Red) GAPDH Polyclonal Antibody (cat: STJ97090) antibody was diluted at 1:5000 as loading control, 4°C over night, secondary antibody (cat: NA) was diluted at 1:10000, 37°C 1hour.



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



Western blot analysis of 1) HeLa, 2) Mouse Heart tissue, 3) Rat Heart Tissue, diluted at 1:2000.



Immunofluorescence analysis of Mouse-brain tissue. 1, Aquaporin 4 monoclonal antibody (4H1) (red) was diluted at 1:200 (4°C, 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

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
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