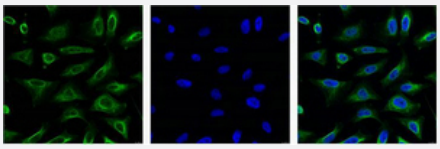
AQP4 monoclonal antibody, clone 4H1

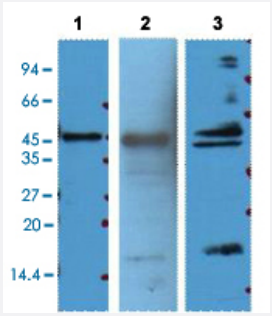
Catalog # MAB15250 Size 100 uL

Applications



Immunofluorescence

Immunofluorescence staining of HeLa cell line with antibody (Left), DAPI (Middle) and merge (Right).



Western Blot

Western Blot analysis of Line 1: HeLa cell, Line 2: mouse heart tissue and Line 3: rat heart tissue.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human AQP4.
Immunogen	A synthetic peptide corresponding to N-terminus of human AQP4.
Host	Mouse
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG1

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Recommend Usage	Immunofluorescence (1:100-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:300) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 0.5% BSA, 0.02% sodium azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence

  Immunofluorescence staining of HeLa cell line with antibody (Left), DAPI (Middle) and merge (Right).
- Western Blot

  Western Blot analysis of Line 1: HeLa cell, Line 2: mouse heart tissue and Line 3: rat heart tissue.

Gene Info — AQP4

Entrez GeneID	361
Protein Accession#	P55087
Gene Name	AQP4
Gene Alias	HMIWC2, MGC22454, MIWC
Gene Description	aquaporin 4
Omim ID	600308
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the aquaporin family of intrinsic membrane proteins that function as water-selective channels in the plasma membranes of many cells. The encoded protein is the predominant aquaporin found in brain. Two alternatively spliced transcript variants encoding distin ct isoforms have been found for this gene. [provided by RefSeq
Other Designations	aquaporin type4|aquaporin-4|mercurial-insensitive water channel

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Disease

- Atherosclerosis
- Brain Edema
- Brain Injuries
- Epilepsy
- Genetic Predisposition to Disease
- Infarction
- Migraine Disorders
- Schizophrenia
- Sclerosis
- Sudden Infant Death

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