

Mouse anti-Human, Pig Aquaporin 4 (AQP4) Monoclonal Antibody | anti-AQP4 antibody

Monoclonal Antibody to Aquaporin 4 (AQP4)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21184	Mouse	Human, Pig	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunoprecipitation

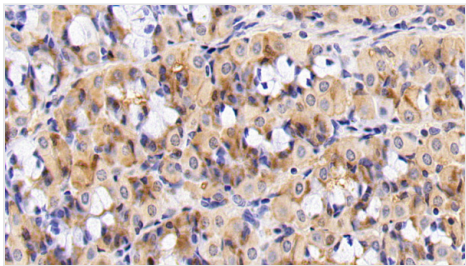
PRODUCT SYNONYMS

Aquaporin 4 (AQP4); Monoclonal Antibody; Monoclonal Antibody to Aquaporin 4 (AQP4); AQP4/Aquaporin 4; HMIWC2; MIWC; WCH4; Mercurialinsensitive water channel; anti-AQP4 antibody

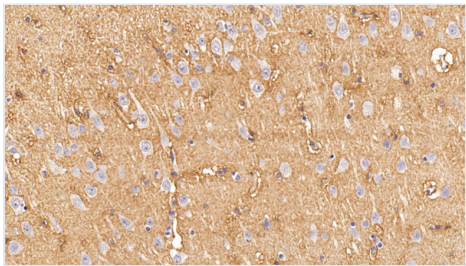
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Pig
Clonality	Monoclonal
Isotype	IgG2a Kappa
Clone Number	C1
Specificity	The antibody is a mouse monoclonal antibody raised against AQP4. It has been selected for its ability to recognize AQP4 in immunohistochemical staining and western blotting.
Purity/Purification	Protein A + Protein G affinity chromatography
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-AQP4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IP (Immunoprecipitation)
Application Notes	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Cys178~Gly317
Conjugation	Unconjugated
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

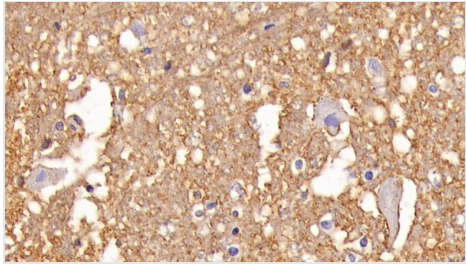
IMAGES



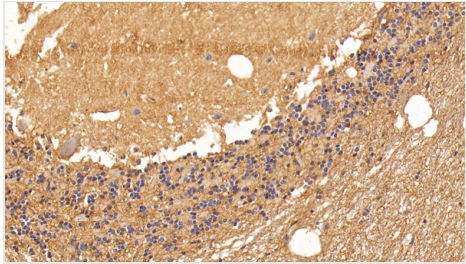
IHC (Immunohistochemistry)
DAB staining on IHCP; Sample: Porcine Stomach Tissue; Primary Ab: 30ug/ml Mouse AntiHuman AQP4 Antibody; Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



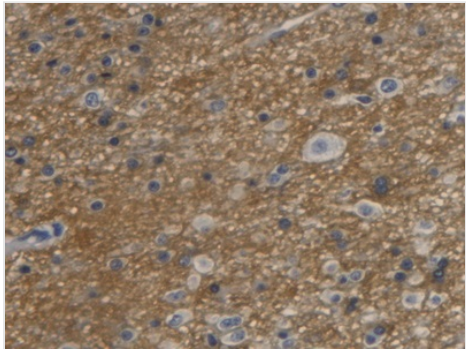
IHC (Immunohistochemistry)
DAB staining on IHCP; Sample: Porcine Cerebrum Tissue; Primary Ab: 30ug/ml Mouse AntiHuman AQP4 Antibody; Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



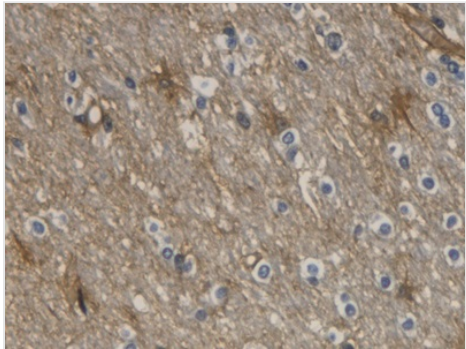
IHC (Immunohistochemistry)
DAB staining on IHCP; Sample: Porcine Spinal cord Tissue; Primary Ab: 30ug/ml Mouse AntiHuman AQP4 Antibody; Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



IHC (Immunohistochemistry)
DAB staining on IHCP; Sample: Porcine Cerebellum Tissue; Primary Ab: 30ug/ml Mouse AntiHuman AQP4 Antibody; Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



IHC (Immunohistochemistry)
DAB staining on IHCP; Sample: Human Glioma Tissue; Primary Ab: 20ug/ml Mouse AntiHuman AQP4 Antibody; Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



IHC (Immunohistochemistry)
DAB staining on IHCP; Sample: Human Cerebrum Tissue; Primary Ab: 20ug/ml Mouse AntiHuman AQP4 Antibody; Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

ADDITIONAL INFORMATION

Product Categories/Family for anti-AQP4 antibody	Signal transduction; Metabolic pathway; Infection immunity; Neuro science; Primary
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2506859
NCBI GeneID	361
UniProt Accession #	P55087; P78564
Molecular Weight	323
NCBI Official Full Name	Aquaporin-4
NCBI Official Synonym Full Names	aquaporin 4

NCBI Official Symbol	AQP4
NCBI Official Synonym Symbols	MIWC; HMIWC2
NCBI Protein Information	aquaporin-4; WCH4; aquaporin type4; aquaporin 4 isoform delta4; mercurial-insensitive water channel
UniProt Protein Name	Aquaporin-4
UniProt Gene Name	AQP4
UniProt Synonym Gene Names	AQP-4; MIWC
UniProt Entry Name	AQP4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aquaporin-4-aqp4-antibody-clone-c1-western-blot-immunohistochemistry-immunocytochemistry-immunoprecipitation-elisa/21184>