

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

Monoclonal Antibody to Aquaporin 4 (AQP4)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21257	Mouse	Human, Pig	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunoprecipitation

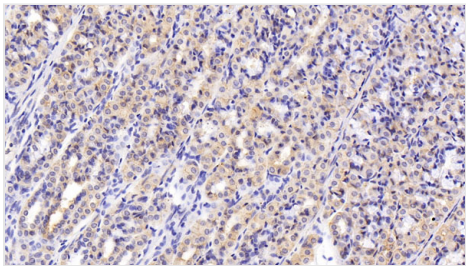
PRODUCT SYNONYMS

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

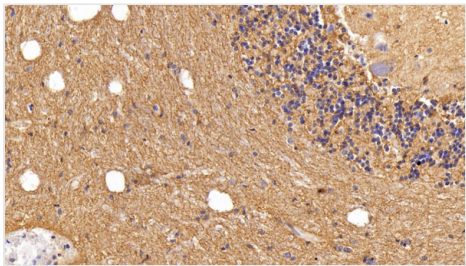
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Pig
Clonality	Monoclonal
Isotype	IgG2a Kappa
Clone Number	C10
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% Proclin-300, 50% glycerol.
Concentration	1mg/mL (varies by lot)
Sequence Positions	Cys178-Gly317
Applicable Applications for anti-AQP4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IP (Immunoprecipitation)
Application Notes	WB: 0.5-2ug/mL IHC: 5-20ug/mL ICC: 5-20ug/mL
Immunogen	Recombinant Aquaporin 4 (AQP4)
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. Stable for 12 months if correctly stored. 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.

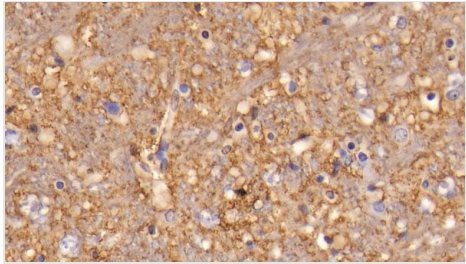
IMAGES



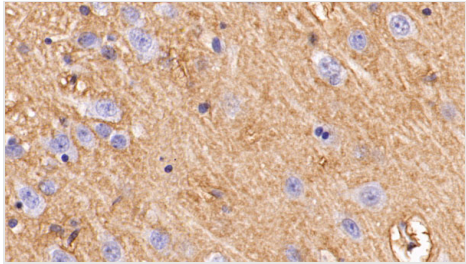
IHC (Immunohistochemistry)
DAB staining on IHC-P;Sample: Porcine Stomach Tissue; Primary Ab: 30ug/ml Mouse Anti-human AQP4 AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



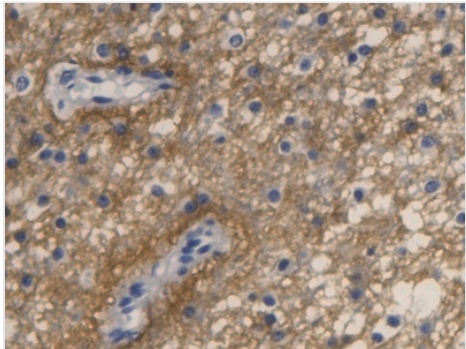
IHC (Immunohistochemistry)
DAB staining on IHC-P;Sample: Porcine CerebeluM Tissue; Primary Ab: 30ug/ml Mouse Anti-human AQP4 AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



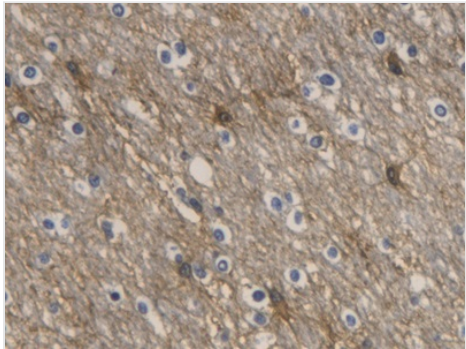
IHC (Immunohistochemistry)
DAB staining on IHC-P;Sample: Porcine Spinal cord Tissue; Primary Ab: 30ug/ml Mouse Anti-human AQP4 AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)
DAB staining on IHC-P;Sample: Porcine CerebuM Tissue; Primary Ab: 30ug/ml Mouse Anti-human AQP4 AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)
DAB staining on IHC-P;Sample: human Glioma Tissue; Primary Ab: 20ug/ml Mouse Anti-human AQP4 AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)
DAB staining on IHC-P; Sample: human CerebuM Tissue; Primary Ab: 20ug/ml Mouse Anti-human AQP4 Antibody Second Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-AQP4 antibody	Monoclonal Antibodies (Primary Abs); Monoclonal antibodies; Signal transduction
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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-c10-western-blot-immunohistochemistry-immunocytochemistry-immunoprecipitation-elisa/21257>