

Rabbit Aquaporin 4 Polyclonal Antibody | anti-AQP4 antibody

Aquaporin 4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75711	Rabbit	Bovine, Human, Mouse, Rat, Sheep	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

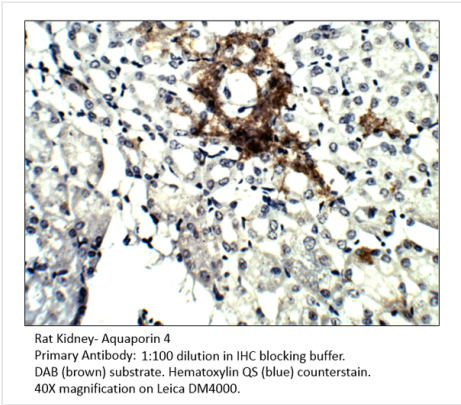
PRODUCT SYNONYMS

Aquaporin 4; Polyclonal Antibody; Aquaporin 4 Antibody; AQP 4; Aquaporin type 4; Aquaporin-4; HMIWC2; Mercurial insensitive water channel; MGC22454; MIWC; WCH 4 antibody; anti-AQP4 antibody

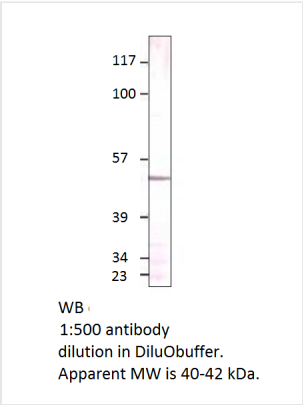
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bovine, Human, Mouse, Rat, Sheep
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.50-0.62 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	323
Applicable Applications for anti-AQP4 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Immunogen	Synthetic peptide taken within amino acid region 300-323 on rat Aquaporin 4 protein.
Immunoglobulin	IgG
Expression	Abundant in mature brain but only weakly detectable in eye, kidney, intestine, and lung.
Molecular Function	Transport
Structure	Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA).
Subcellular Location	Membrane; Multi-pass protein
Preparation and Storage	-20• degree C for long term storage

IMAGES



IHC (Immunohistochemistry)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-AQP4 antibody	Forms water specific channel. Osmoreceptor which regulates water balance and mediates water flow within CNS.
Product Categories/Family for anti-AQP4 antibody	Primary Antibodies; Channels & Transporters; Aquaporin 4 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502181
NCBI GeneID	361
NCBI Accession #	NP_001641
NCBI GenBank Nucleotide #	NM_001650.5
UniProt Accession #	P55087; P78564
Molecular Weight	32,300 Da
NCBI Official Full Name	aquaporin-4 isoform M1
NCBI Official Synonym Full Names	aquaporin 4
NCBI Official Symbol	AQP4
NCBI Official Synonym Symbols	MIWC; WCH4
NCBI Protein Information	aquaporin-4
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.