

Rabbit anti-Rat Aquaporin 4 Polyclonal Antibody | anti-AQP4 antibody

Polyclonal Antibody to Aquaporin 4 (AQP4)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA142522	Rabbit	Rat	ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot

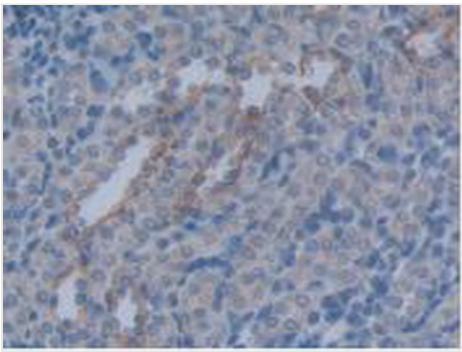
PRODUCT SYNONYMS

Aquaporin 4; Polyclonal Antibody; Polyclonal Antibody to Aquaporin 4 (AQP4); anti-AQP4 antibody

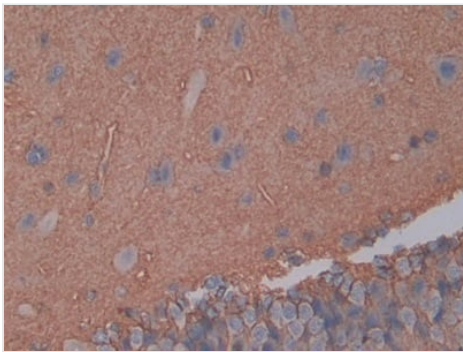
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against AQP4. It has been selected for its ability to recognize AQP4 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid
Concentration	500ug/mL (varies by lot)
Sequence	Antigen: The target protein is fused with a woN-terminal tag, His-tag and GST-tag and its sequence is listed below. MSPI LGYWKIKGLV QPTRLLLEYL EEKYEELHYE RDEGDKWRNK KFEGLGFNP LPYYIDGDVK LTQSMIIRY IADKHNLGG CPKERAISM LEGAVLDIRY GVSRIAYSKD FETLKVDFLS KLPEMLKMF EDRCHKTYLN GDHVTHPDFM LYDALDVVLY MDPMLCLDAFP KLVCFKKRIE AIPQIDKYLK SSKYIAWPLQ GWQATFGGGD HPPKSDGSTS GSGHHHHHHS AGLVPRGSTA IGMKETAAK FERQHMDSPD LGTGGGSGIE GRGSMGYRGS EF-DSKRTDV TGSVALAIGF SVAIGHLFAI NYTGASMNPA RSFGPAVIMG NWENHWIYVW GPIGAVLAG ALYEYVFCPD VELKRRLKEA FSKAAQQTG SYMEVEDNRS QVETEDLILK PGVVHVIDID RGDEK
Sequence Length	178
Applicable Applications for anti-AQP4 antibody	ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Fragment	AQP4 (Asp179~Asp314)
Organism Species	Rattus norvegicus (Rat)
Cross Reactivity	Rat
Conjugate	No Conjugate
Immunogen	Recombinant AQP4 (Asp179~Asp314) expressed in E. coli.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

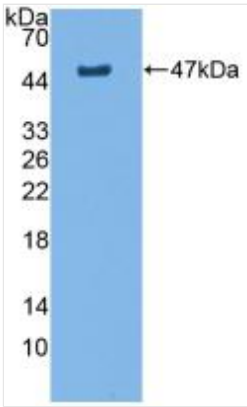
IMAGES



IHC (Immunohistochemisry)
DAB staining on IHC-P; Samples: Rat Kidney Tissue.



IHC (Immunohiostchemistry)
DAB staining on IHC-P; Samples: Rat Brain Tissue.



WB (Western Blot)
Western Blot: Sample: Recombinant AQP4, Rat.

NCBI AND UNIPROT INFORMATION

NCBI GI #	395759219
NCBI GeneID	25293
NCBI Accession #	NP_001257487.1
NCBI GenBank Nucleotide #	NM_001270558.2
UniProt Accession #	P47863
Molecular Weight	28,768 Da
NCBI Official Full Name	aquaporin-4 isoform 3
NCBI Official Synonym Full Names	aquaporin 4
NCBI Official Symbol	Aqp4
NCBI Official Synonym Symbols	Miwc; WCH4; AQP-4
NCBI Protein Information	aquaporin-4
UniProt Protein Name	Aquaporin-4
UniProt Gene Name	Aqp4
UniProt Synonym Gene Names	AQP-4; MIWC

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.

