

Rabbit Aquaporin 4 Polyclonal Antibody

Aquaporin 4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268972	Rabbit	Human, Mouse, Rat, Pig, Cow, Rabbit, Sheep	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

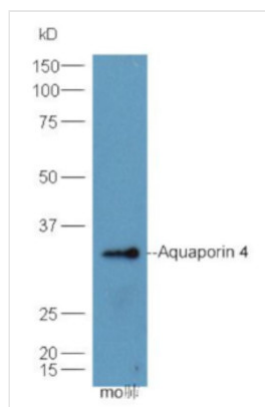
PRODUCT SYNONYMS

Aquaporin 4; Polyclonal Antibody; aquaporin 4; WCH4; Mercurial-insensitive water channel; MIWC; AQP 4; AQP4; Aquaporin4; HMIWC 2; HMIWC2; Mercurial insensitive water channel; MGC22454; AQP4_HUMAN; Aquaporin-4; AQP-4; anti-Aquaporin 4 antibody

PRODUCT SPECIFICATIONS

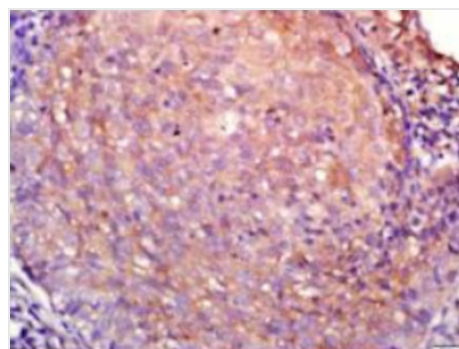
Host	Rabbit
Reactivity	Human, Mouse, Rat, Pig, Cow, Rabbit, Sheep
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Protein A affinity purified.
Form/Format	0.01M TBS (pH 7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Applicable Applications for anti-Aquaporin 4 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Conjugation	FITC
Immunogen	KLH conjugated synthetic peptide derived from human AQP4 271-323/323
Positive control	Brain, muscle, heart, kidney, lung, and trachea.
Subcellular location	Membrane; Multi-pass membrane protein.
Preparation and Storage	Store at -20 degree C for one year. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Sample: mouse lung lysate at 30ug; Primary: Anti-Aquaporin 4 at 1:300; Secondary:HRP conjugated Goat-Anti- rabbit IgG at 1: 5000; Predicted band size:36 kD. Observed band size:34 kD



Application Data

Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum) at 37 degree C for 20 min; Incubation: Anti-AQP4 Polyclonal Antibody, Unconjugated 1:200, overnight at 4 degree C, followed by conjugation to the secondary antibody and DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-Aquaporin 4 antibody	Forms a water-specific channel. Osmoreceptor which regulates body water balance and mediates water flow within the central nervous system.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P55088
Molecular Weight	36 KDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aquaporin-4-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/268972>