

Rabbit AQP3 Polyclonal Antibody | anti-AQP3 antibody

AQP3 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284921	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	ELISA, Western Blot

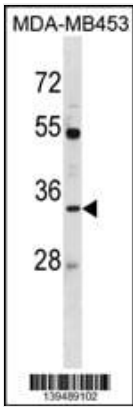
PRODUCT SYNONYMS

AQP3; Polyclonal Antibody; AQP3 Antibody (Center); Aquaporin-3; AQP-3; Aquaglyceroporin-3; anti-AQP3 antibody

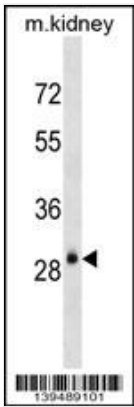
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AQP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 163-191 amino acids from the Central region of human AQP3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	163-191
Sequence Length	281
Applicable Applications for anti-AQP3 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
AQP3 Antibody (Center) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the AQP3 antibody detected the AQP3 protein (arrow).



WB (Western Blot)
AQP3 Antibody (Center) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the AQP3 antibody detected the AQP3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-AQP3 antibody	Aquaporin 3 is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 3 is localized at the basal lateral membranes of collecting duct cells in the kidney. In addition to its water channel function, aquaporin 3 has been found to facilitate the transport of nonionic small solutes such as urea and glycerol, but to a smaller degree. It has been suggested that water channels can be functionally heterogeneous and possess water and solute permeation mechanisms.
Product Categories/Family for anti-AQP3 antibody	Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Kim, N.H., et al. J. Invest. Dermatol. 130(9):2231-2239(2010) Ji, C., et al. Int. J. Mol. Med. 26(2):257-263(2010) Melis, M., et al. Dis. Colon Rectum 53(6):936-943(2010) Shen, L., et al. Biomed. Pharmacother. 64(5):313-318(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826645
NCBI GeneID	360
NCBI Accession #	NP_004916.1
NCBI GenBank Nucleotide #	NM_004925.4
UniProt Accession #	Q92482; O00108; Q6FGT2; Q6FGW6; A8K843; B2RE16; D3DRL3
Molecular Weight	31544
NCBI Official Full Name	aquaporin-3
NCBI Official Synonym Full Names	aquaporin 3 (Gill blood group)
NCBI Official Symbol	AQP3
NCBI Official Synonym Symbols	GIL; AQP-3
NCBI Protein Information	aquaporin-3
UniProt Protein Name	Aquaporin-3

UniProt Gene Name	AQP3
UniProt Synonym Gene Names	AQP-3
UniProt Entry Name	AQP3_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/polyclonal/aqp3-antibody-western-blot-elisa/284921>