

Human Aquaporin 3 (AQP3) ELISA Kit | AQP3 elisa kit

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CATALOG #
AAA31502

REACTIVITY
Human

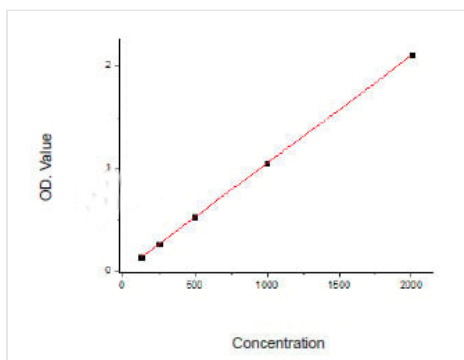
PRODUCT SYNONYMS

Aquaporin 3 (AQP3); Human Aquaporin 3 (AQP3) ELISA Kit; AQP3; GIL; Gill blood group; aquaporin 3; aquaporin 3 (GIL blood group); AQP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	292
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP3 elisa kit

Principle of the Assay: Human Aquaporin 3 (AQP3) ELISA Kit employs a two-site sandwich ELISA to quantitate AQP3 in samples. An antibody specific for AQP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AQP3 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human AQP3 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of AQP3 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: AQP3 encodes the water channel protein aquaporin 3. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein, also known as aquaporin 0. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #

4826645

NCBI GeneID	360
NCBI Accession #	NP_004916.1
NCBI GenBank Nucleotide #	NP_004916.1
UniProt Accession #	Q92482
NCBI Official Full Name	aquaporin-3 isoform 1
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/human-elisa-kits/aquaporin-3-aqp3/31502>