

Rat Aquaporin-3 ELISA Kit | Aqp3 elisa kit

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CATALOG #
AAA56350

REACTIVITY
Rat

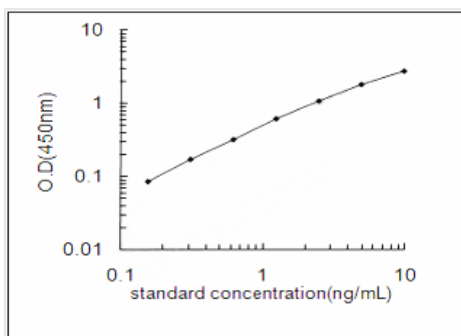
PRODUCT SYNONYMS

Aquaporin-3; Rat Aquaporin-3 ELISA Kit; Aqp3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat AQP-3. No significant cross-reactivity or interference was observed.
Sequence Length	292
Assay Type	Sandwich
Detection Range	0.156-10 ng/ml
Sensitivity	0.078 ng/mL
Intra-Assay CV	<=4.3%
Inter-Assay CV	<=9.2%
Recovery	96%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Aqp3 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AQP-3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for AQP-3 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain AQP-3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of AQP-3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13928980
NCBI GeneID	65133
NCBI Accession #	NP_113891.1
NCBI GenBank Nucleotide #	NM_031703.1
UniProt Accession #	P47862; A0JPL5
Molecular Weight	31,384 Da
NCBI Official Full Name	aquaporin-3
NCBI Official Synonym Full Names	aquaporin 3
NCBI Official Symbol	Aqp3
NCBI Protein Information	aquaporin-3
UniProt Protein Name	Aquaporin-3
UniProt Gene Name	Aqp3
UniProt Synonym Gene Names	AQP-3
UniProt Entry Name	AQP3_RAT

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/aqp3-rat-elisa-kits/aquaporin-3/56350>