Aquaporin 5 (AQP-5) ELISA Kit for Porcine

PRODUCT OVERVIEW

Product Name	Aquaporin 5 (AQP-5), ELISA Kit
Full Product Name	Porcine Aquaporin 5 (AQP-5) ELISA Kit
Product Gene Name	AQP-5 elisa kit
Species Reactivity	Porcine
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	28,292 Da
OMIM	600442
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AQP-5 elisa kit	MBS264635 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Aquaporin 5 (AQP-5) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing AQP-5. The ELISA analytical biochemical technique of the MBS264635 kit is based on AQP-5 antibody-AQP-5 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect AQP-5 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, AQP-5. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of AQP-5 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AQP-5. It may not necessarily be applicable to this product.

NCBI GI #	119578514
NCBI GeneID	362
NCBI Accession #	EAW58110.1
UniProt Secondary Accession #	Q6FGW8
UniProt Related Accession #	P55064
NCBI Official Full Name	aquaporin 5
NCBI Official Synonym Full Names	aquaporin 5
NCBI Official Symbol	AQP5
NCBI Official Synonym Symbols	PPKB; AQP-5
UniProt Protein Name	Aquaporin-5
Protein Family	Aquaporin
UniProt Gene Name	AQP5
UniProt Synonym Gene Names	AQP-5
UniProt Entry Name	AQP5_HUMAN

NCBI Protein Information	aquaporin-5
NCBI Summary for AQP-5	Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13. [provided by RefSeq, Jul 2008]
UniProt Comments for AQP-5	AQP5: Forms a water-specific channel. Implicated in the generation of saliva, tears, and pulmonary secretions. Belongs to the MIP/aquaporin (TC 1.A.8) family. Protein type: Transporter, aquaporin family; Membrane protein, integral; Channel, misc.; Transporter; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 12q13 Cellular Component: microvillus; endoplasmic reticulum; integral to plasma membrane; apical plasma membrane; plasma membrane; basal plasma membrane Molecular Function: protein binding; water channel activity; glycerol channel activity Biological Process: odontogenesis; glycerol transport; camera-type eye morphogenesis; cellular water homeostasis; water transport; carbon dioxide transport; pancreatic juice secretion; excretion; transmembrane transport; saliva secretion
Research Articles on AQP-5	**1.** Our data suggest for the first time that the aberrant expression of AQP3 and AQP5 proteins may be strongly related to tumor progression and prognosis in patients with hepatocellular carcinoma
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/porcine-elisa-kits/aquaporin-5-aqp-5/264635