

Product Information

MemDX™ Membrane Protein Human AQP1 (Aquaporin 1 (Colton blood group)) for Antibody

Discovery

Cat. No.: **MP0053X**

This product is for research use only and is not intended for diagnostic use.

This product is a 55.33 kDa Human AQP1 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

AQP1

Protein Length

Full-length

Molecular Weight

55.33 kDa

TMD

6

Sequence

MASEFKKKLFWRAVVAEFLATTLFVFISIGSALGFKYPVGNNQTAVQDNVKVSLAFGLSIATLAQSVGHISGAHLNPAVTLGLLLSCQ

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

AQP1

Full Name

Aquaporin 1 (Colton blood group)

Introduction

This gene encodes a small integral membrane protein with six bilayer spanning domains that functions as a water channel protein. This protein permits passive transport of water along an osmotic gradient. This gene is a possible candidate for disorders involving imbalance in ocular fluid movement

Alternative Names

AQP-CHIP; CHIP28; CO; MGC26324; Colton blood group,aquaporin 1; aquaporin 1 (channel-forming integral protein, 28kDa, CO blood group); channel-like integral membrane protein, 28-kDa

Gene ID

[358](#)

UniProt ID

[P29972](#)