

Product datasheet for TA502357

Aquaporin 1 (AQP1) Mouse Monoclonal Antibody [Clone ID: OTI2D10]

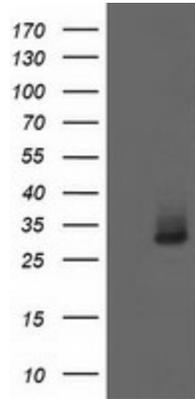
Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2D10 |
| Applications: | FC, IF, IHC, WB |
| Recommend Dilution: | WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human AQP1 (NP_932766) produced in HEK293T cell. |
| Formulation: | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.47 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Predicted Protein Size: | 28.3 kDa |
| Gene Name: | aquaporin 1 (Colton blood group) |
| Database Link: | NP_932766 Entrez Gene 358 Human |
| Background: | Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). This gene encodes an aquaporin which functions as a molecular water channel protein. It is a homotetramer with 6 bilayer spanning domains and N-glycosylation sites. The protein physically resembles channel proteins and is abundant in erythrocytes and renal tubes. The gene encoding this aquaporin is a possible candidate for disorders involving imbalance in ocular fluid movement. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq] |
| Synonyms: | AQP-CHIP; CHIP28; CO |
| Protein Families: | Druggable Genome, Ion Channels: Other, Transmembrane |

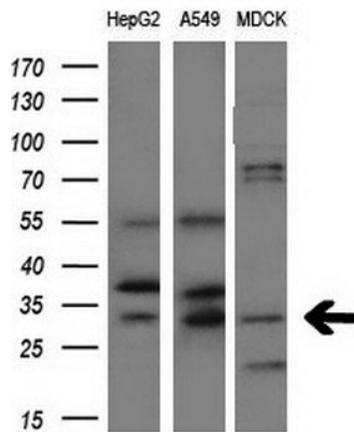


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Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AQP1 ([RC205304], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AQP1. Positive lysates [LY403670] (100ug) and [LC403670] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 3 different cell lines by using anti-AQP1 monoclonal antibody at 1:200 dilution.

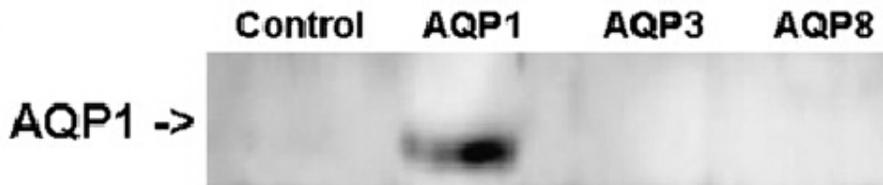
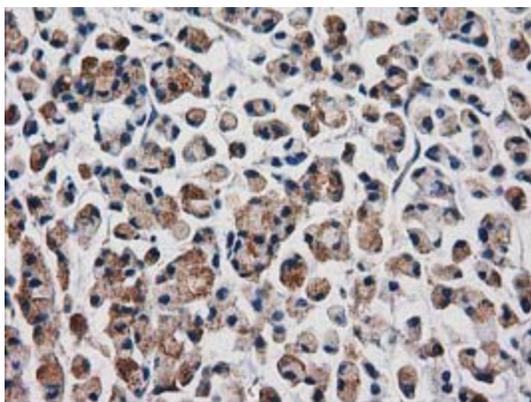
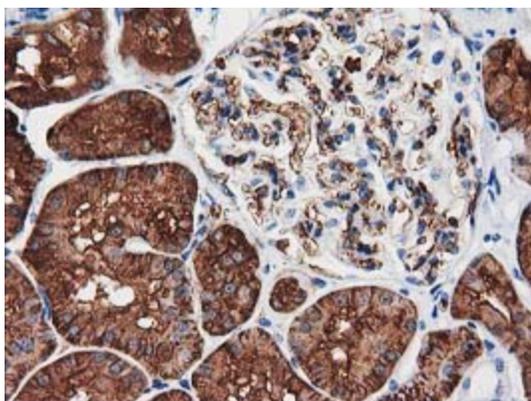


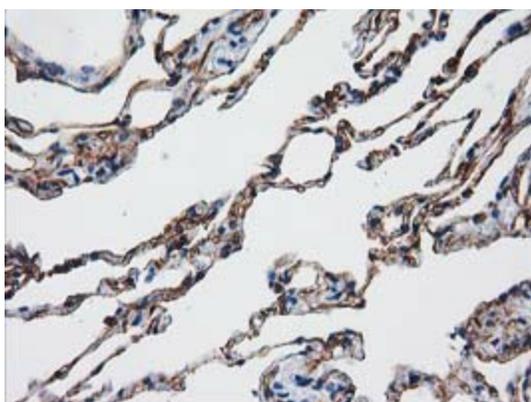
Figure from citation: Western Blot of AQP1 protein level by using anti-AQP1 antibody in human B1647 cells. [View Citation](#)



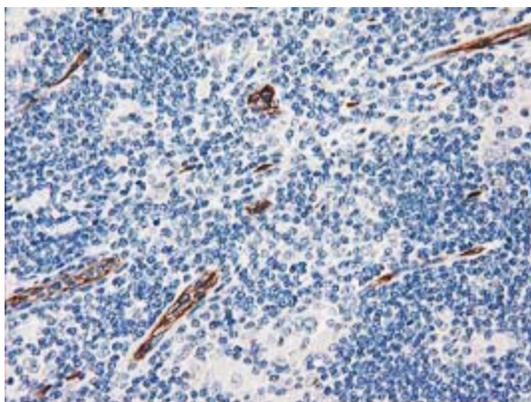
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-AQP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502357)



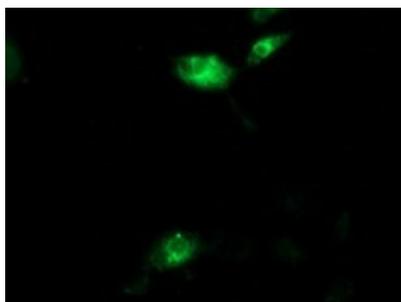
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-AQP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502357)



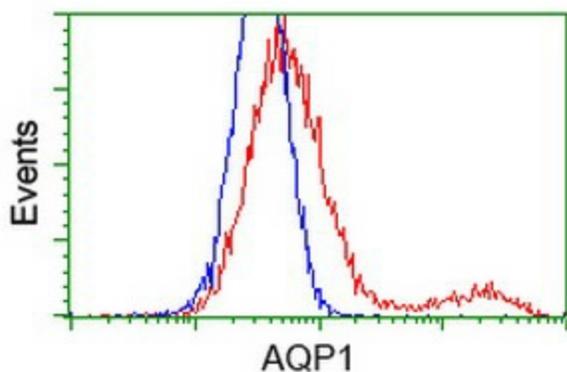
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-AQP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502357)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-AQP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502357)



Anti-AQP1 mouse monoclonal antibody (TA502357) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY AQP1 ([RC205304]).



HEK293T cells transfected with either [RC205304] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-AQP1 antibody (TA502357), and then analyzed by flow cytometry.