AQP1 Polyclonal Antibody

Catalog No. E-AB-70278

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human,Mouse,Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to human Aquaporin 1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
Applications	Recommended Dilution
WB	1:1000-1:3000
IHC	1:200-1:800
Data	



Western Blot analysis of various samples using AQP1 Polyclonal Antibody at dilution of 1:2000. Observed Mw:28/35-45kDa Calculated Mw:28kDa



Immunohistochemistry analysis of paraffinembedded human lung cancer using AQP1 Polyclonal Antibody at dilution of 1:400.



Immunohistochemistry analysis of paraffinembedded human liver using AQP1 Polyclonal Antibody at dilution of 1:400.



Immunohistochemistry analysis of paraffinembedded Mouse brain using AQP1 Polyclonal Antibody at dilution of 1:400.

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Immunohistochemistry analysis of paraffinembedded Rat kidney using AQP1 Polyclonal Antibody at dilution of 1:400.

Preparation & Storage

Storage

Store at -20°C. Avoid freeze / thaw cycles.

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.