AQP1 Polyclonal Antibody

catalog number: **E-AB-70278**

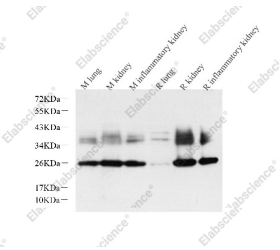
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to human Aquaporin 1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:1000-1:3000
IHC	1:200-1:800

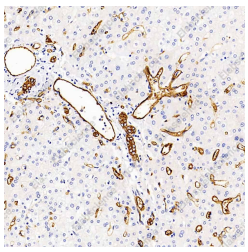
Data



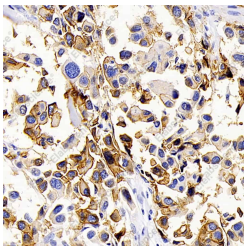
Western Blot analysis of various samples using AQP1 Polyclonal Antibody at dilution of 1:2000.

Observed-MW:28/35-45 kDa

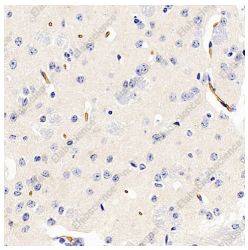
Calculated-MW:28 kDa



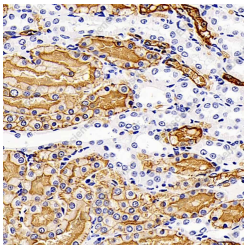
Immunohistochemistry analysis of paraffin-embedded human liver using AQP1 Polyclonal Antibody at dilution of 1:400.



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



Immunohistochemistry analysis of paraffin-embedded Mouse brain using AQP1 Polyclonal Antibody at dilution of 1:400.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using AQP1 Polyclonal Antibody at dilution of 1:400.

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Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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.

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