

AQP3 rabbit pAb

Cat No.: ES5898

For research use only

Overview

Product Name AQP3 rabbit pAb

Host species Rabbit

Applications IHC;IF;ELISA Species Cross-Reactivity Human;Mouse;Rat

Recommended dilutions Immunohistochemistry: 1/100 - 1/300. ELISA:

1/40000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human AQP3. AA

range:165-214

Specificity AQP3 Polyclonal Antibody detects endogenous

levels of AQP3 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Aquaporin-3

Gene Name AQP3

Cell ular localization Cell membrane ; Multi-pass membrane protein .

Basolateral cell membrane; Multi-pass membrane

protein.

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band

Background

Human Gene ID 360 Human Swiss-Prot Number Q92482

Alternative Names AQP3; Aquaporin-3; AQP-3; Aquaglyceroporin-3

This gene encodes the water channel protein aquaporin 3. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein, also known as aquaporin 0. Aquaporin 3 is localized at the basal lateral



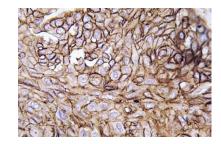
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membranes of collecting duct cells in the kidney. In addition to its water channel function, aquaporin 3 has been found to facilitate the transport of nonionic small solutes such as urea and glycerol, but to a smaller degree. It has been suggested that water channels can be functionally heterogeneous and possess water and solute permeation mechanisms. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015],

Immunohistochemistry analysis of AQP3 antibody in paraffin-embedded human lung carcinoma tissue.



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