

AQP3 rabbit pAb

Cat No.:ES5898

For research use only

Overview

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|--------------------------|---|
| 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 |
| Cellular 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 | |
| Human Gene ID | 360 |
| Human Swiss-Prot Number | Q92482 |
| Alternative Names | AQP3; Aquaporin-3; AQP-3; Aquaglyceroporin-3 |
| Background | 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 |





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.

