

Product datasheet

Anti-Aquaporin 1 antibody [7D11] ab11025

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Overview

Product name	Anti-Aquaporin 1 antibody [7D11]
Description	Mouse monoclonal [7D11] to Aquaporin 1
Host species	Mouse
Specificity	ab11025 recognises an epitope within an extracellular region of the water-specific channel aquaporin 1.
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide, corresponding to amino acids 198-208 of Rat Aquaporin 1.
Positive control	Kidney tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 1% BSA
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	7D11
Myeloma	Sp2/0-Ag14
Isotype	IgG2b

Target

Function	Forms a water-specific channel that provides the plasma membranes of red cells and kidney proximal tubules with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient.
Tissue specificity	Expressed in a number of tissues including erythrocytes, renal tubules, retinal pigment epithelium, heart, lung, skeletal muscle, kidney and pancreas. Weakly expressed in brain, placenta and liver.

Sequence similarities	Belongs to the MIP/aquaporin (TC 1.A.8) family.
Domain	Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA).
Cellular localization	Membrane.

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