

Anti-Aquaporin 0/MIP Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9811-Fluoro488

About MIP

Lens fiber major intrinsic protein, also called MIP26 or MP26, is a protein that in humans is encoded by the MIP gene. MIP is a member of the water-transporting aquaporins as well as the original member of the MIP family of channel proteins. Using 2-color fluorescence in situ hybridization on high-resolution R-banded chromosomes and human genomic DNA clones for MIP as probes, this gene was found that located in close proximity in region 12q13. MIP plays a crucial role in the development of a transparent eye lens. This gene may be responsible for regulating the osmolarity of the lens and interactions between homotetramers from adjoining membranes may stabilize cell junctions in the eye lens core.

Overview

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| Product Name | Anti-Aquaporin 0/MIP Antibody Picoband® Fluoro488 Conjugated |
| Reactive Species | Human, Rat |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P30301 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of human Aquaporin 0, different from the related mouse and rat sequences by six amino acids. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

5 Publications Citing This Product

1. PubMed ID: 22517906, Bruns I, Cadeddu Rp, Brueckmann I, Fr??bel J, Geyh S, B??st S, Fischer Jc, Roels F, Wilk Cm, Schildberg Fa, H??nerlit??rkoglu An, Zilkens C, J??ger M, Steidl U, Zohren F, Fenk R, Kobbe G, Brors B, Czibere A, Schroeder T, Trumpp A, Haas R. Blood. 2...
2. PubMed ID: 26022197, Liu R, An L, Liu G, Li X, Tang W, Chen X. Antiviral Res. 2015 Aug;120:101-11. Doi: 10.1016/J.Antiviral.2015.05.008. Epub 2015 May 27. Mouse Lung Slices: An Ex Vivo Model For The Evaluation Of Antiviral And Anti-Inflammatory Agents Against Influenz...
3. PubMed ID: 28912850, Effects of leukotriene B4 on interleukin-32, interferon-? and chemokines in rats with rheumatoid arthritis

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