

Anti-Aquaporin 0/MIP Antibody Picoband® FITC Conjugated

Catalog Number: PB9811-FITC

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

Product Name	Anti-Aquaporin 0/MIP Antibody Picoband® FITC 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

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	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 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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