BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Aquaporin 0/MIP Antibody Picoband®

Catalog Number: PA2110

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.

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Overview

Product Name	Anti-Aquaporin 0/MIP Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Aquaporin 0/MIP Antibody catalog # PA2110. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P09011

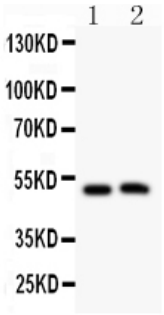
Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Aquaporin 0, identical to the related rat sequence, and different from the related human sequence by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse, Human, Rat

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Anti-Aquaporin 0/MIP Antibody Picoband® (PA2110) Images



Anti-MIP antibody, PA2110, Western blottingAll lanes: Anti MIP (PA2110) at 0.5ug/mlLane 1: Mouse Spleen Tissue Lysate at 50ugLane 2: Mouse Intestine Tissue Lysate at 50ugPredicted bind size: 28KDObserved bind size: 50KD

5 Publications Citing This Product

1. 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...

2. PubMed ID: 25677765, Sun Y, Zhao Y, Yao J, Zhao L, Wu Z, Wang Y, Pan D, Miao H, Guo Q, Lu N. Biochem Pharmacol. 2015 Mar 15;94(2):142-54. Doi: 10.1016/J.Bcp.2015.02.002. Epub 2015 Feb 10. Wogonoside Protects Against Dextran Sulfate Sodium-Induced Experimental Colitis ...

3. 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...

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