

Rabbit anti-Human MIP Polyclonal Antibody | anti-MIP antibody

MIP Antibody

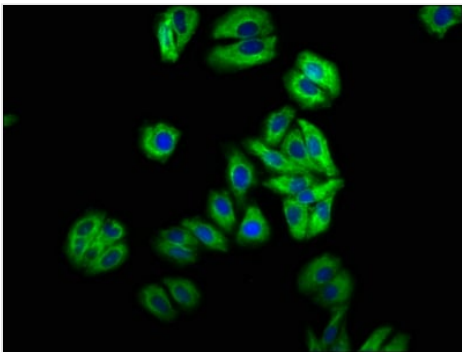
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234585	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

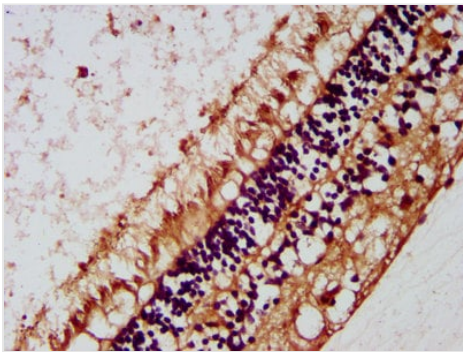
MIP; Polyclonal Antibody; MIP Antibody; Lens fiber major intrinsic protein; Aquaporin-0; MIP26; MP26; AQP0; anti-MIP antibody

PRODUCT SPECIFICATIONS

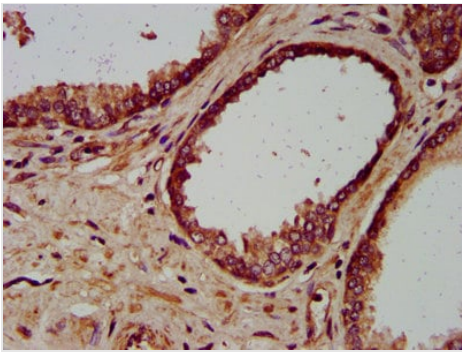
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	263
Applicable Applications for anti-MIP antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Lens fiber major intrinsic protein (220-263AA)
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	MIP
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



IHC (Immunohistochemisry)
Immunofluorescence staining of HepG2 cells with AAA234585 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohiostchemistry)
IHC image of AAA234585 diluted at 1:200 and staining in paraffin-embedded human eye tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)
IHC image of AAA234585 diluted at 1:200 and staining in paraffin-embedded human prostate cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-MIP antibody	Water channel (PubMed:24120416). Channel activity is down-regulated by CALM when cytoplasmic Ca(2+) levels are increased. May be responsible for regulating the osmolarity of the lens. Interactions between homotetramers from adjoining membranes may stabilize cell junctions in the eye lens core (By similarity). Plays a role in cell-to-cell adhesion and facilitates gap junction coupling (PubMed:24120416).
Product Categories/Family for anti-MIP antibody	Neuroscience; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912506
NCBI GeneID	4284
NCBI GenBank Nucleotide #	NM_012064.3
UniProt Accession #	P30301; Q17R41
NCBI Official Full Name	lens fiber major intrinsic protein
NCBI Official Synonym Full Names	major intrinsic protein of lens fiber

NCBI Official Symbol	MIP
NCBI Official Synonym Symbols	AQP0; LIM1; MP26; MIP26; CTRCT15
NCBI Protein Information	lens fiber major intrinsic protein
UniProt Protein Name	Lens fiber major intrinsic protein
UniProt Gene Name	MIP
UniProt Synonym Gene Names	AQP0; MP26

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mip-antibody-immunofluorescence-immunohistochemistry-elisa/234585>