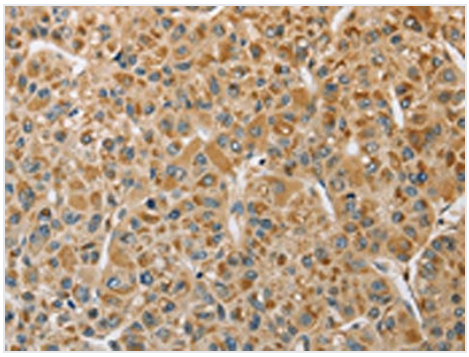
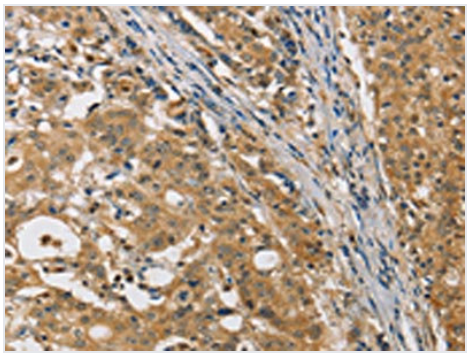
MIP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MIP, Polyclonal Antibody
Full Product Name	MIP Antibody
Product Gene Name	anti-MIP antibody
Product Synonym Names	major intrinsic protein of lens fiber
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	263
OMIM	gene 615274
3D Structure	ModBase 3D Structure for P30301
Immunogen	Fusion protein of human MIP
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-MIP antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MIP antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-MIP antibody	ELISA: 1:1000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-MIP antibody	MBS7124768 is an antibody targeting MIP. Also known as MIP Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-MIP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-MIP antibody
The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using MBS7124768(MIP Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-MIP antibody
The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using MBS7124768(MIP Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MIP. It may not necessarily be applicable to this product.

NCBI GI #	266537
NCBI GeneID	4284
NCBI Accession #	P30301.1
UniProt Primary Accession #	P30301
UniProt Secondary Accession #	Q17R41
UniProt Related Accession #	P30301
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
UniProt Protein Name	Lens fiber major intrinsic protein
UniProt Synonym Protein Names	Aquaporin-0; MIP26; MP26
Protein Family	Allatostatins
UniProt Gene Name	MIP
UniProt Synonym Gene Names	AQP0; MP26
UniProt Entry Name	MIP_HUMAN
NCBI Protein Information	lens fiber major intrinsic protein; aquaporin 0
NCBI Summary for MIP	Major intrinsic protein is a member of the water-transporting aquaporins as well as the original member of the MIP family of channel proteins. The function of the fiber cell membrane protein encoded by this gene is undetermined, yet this protein is speculated to play a role in intracellular communication. The MIP protein is expressed in the ocular lens and is required for correct lens function. This gene has been mapped among aquaporins AQP2, AQP5, and AQP6, in a potential gene cluster at 12q13. [provided by RefSeq, Jul 2008]

UniProt Comments for MIP	AQP0: major intrinsic protein of lens fiber. A member of the water-transporting aquaporins as well as the original member of the MIP family of channel proteins. May be responsible for regulating the osmolarity of the lens. Defects in MIP are a cause of autosomal recessive congenital cataract. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Channel, misc.; Transporter, aquaporin family Chromosomal Location of Human Ortholog: 12q13 Cellular Component: intracellular canaliculus; intracellular membrane-bound organelle; integral to plasma membrane; apical plasma membrane; plasma membrane; gap junction Molecular Function: calmodulin binding; transporter activity; water channel activity; structural constituent of eye lens; glycerol channel activity Biological Process: lens development in camera-type eye; glycerol transport; cellular water homeostasis; visual perception; canalicular bile acid transport; water transport; response to stimulus; transmembrane transport Disease: Cataract 15, Multiple Types
Research Articles on MIP	**1.** A novel donor splice-site mutation (c.606+1G>A) in the MIP gene causes congenital cataract in a Chinese family.
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