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MBL2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5525

Specification

MBL2 Antibody (C-term) - Product Information

Application	**IHC-P, IF, WB,E**
Primary Accession	P11226
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=26 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

MBL2 Antibody (C-term) - Additional Information

Gene ID 4153

Antigen Region
188-222

Other Names
Mannose-binding protein C, MBP-C, Collectin-1, MBP1, Mannan-binding protein, Mannose-binding lectin, MBL2, COLEC1, MBL

Dilution
IHC-P~~1:10~50
IF~~1:10~50
WB~~1:1000

Target/Specificity
This MBL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-222 amino acids from the C-terminal region of human MBL2.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MBL2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MBL2 Antibody (C-term) - Protein Information

Name MBL2 (HGNC:6922)

Synonyms COLEC1, MBL

Function
Calcium-dependent lectin involved in innate immune defense (PubMed:35102342). Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA. Upon SARS coronavirus-2/SARS-CoV-2 infection, activates the complement lectin pathway which leads to the inhibition SARS-CoV-2 infection and a reduction of the induced inflammatory response (PubMed:35102342).

Cellular Location
Secreted.

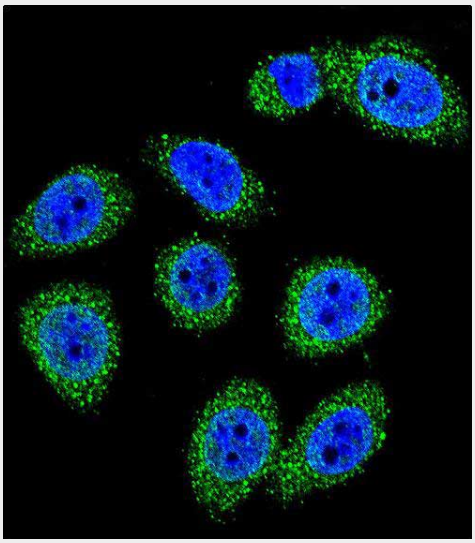
Tissue Location
Plasma protein produced mainly in the liver.

MBL2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MBL2 Antibody (C-term) - Images



Confocal immunofluorescent analysis of MBL2 Antibody (C-term)(Cat#AW5525) with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

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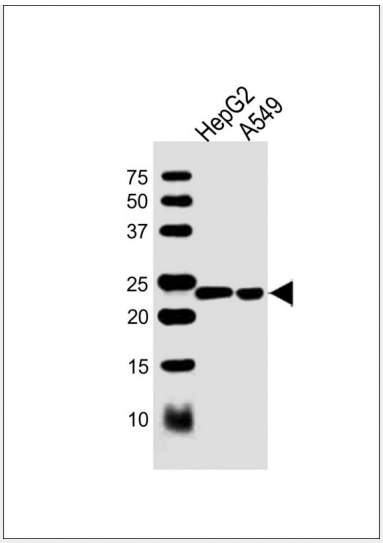
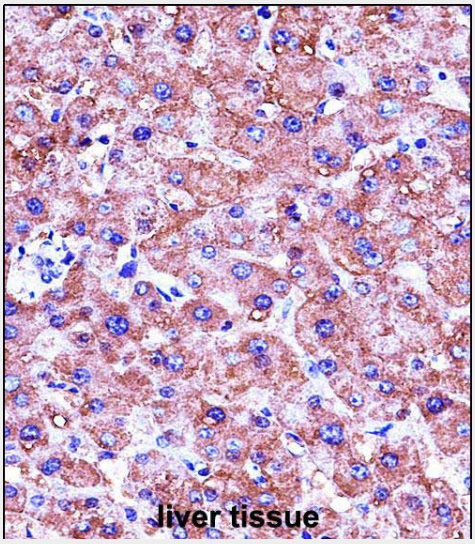


All lanes : Anti-MBL2 Antibody (C-term) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



MBL2 Antibody (C-term) (Cat. #AW5525)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MBL2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

MBL2 Antibody (C-term) - Background

This gene encodes the soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes mannose and N-acetylglucosamine on many microorganisms, and is capable of activating the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases.

MBL2 Antibody (C-term) - References

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de Wit, E., et al. Mamm. Genome (2010) In press :
Filho, R.M., et al. Viral Immunol. 23(4):449-453(2010)
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