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LGALS3BP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19780c

Product Information

Application	WB, IHC-P-Leica, E
Primary Accession	Q08380
Other Accession	NP_005558.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40516
Calculated MW	65331
Antigen Region	383-412

Additional Information

Gene ID	3959
Other Names	Galectin-3-binding protein, Basement membrane autoantigen p105, Lectin galactoside-binding soluble 3-binding protein, Mac-2-binding protein, MAC2BP, Mac-2 BP, Tumor-associated antigen 90K, LGALS3BP, M2BP
Target/Specificity	This LGALS3BP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 383-412 amino acids from the Central region of human LGALS3BP.
Dilution	WB~~1:1000 IHC-P-Leica~~1:100 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	LGALS3BP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LGALS3BP
Synonyms	M2BP

Function	Promotes integrin-mediated cell adhesion. May stimulate host defense against viruses and tumor cells.
Cellular Location	Secreted. Secreted, extracellular space, extracellular matrix
Tissue Location	Ubiquitous. Detected in body fluids such as semen, milk, serum, tears, saliva and urine. Expressed by keratinocytes and fibroblasts.

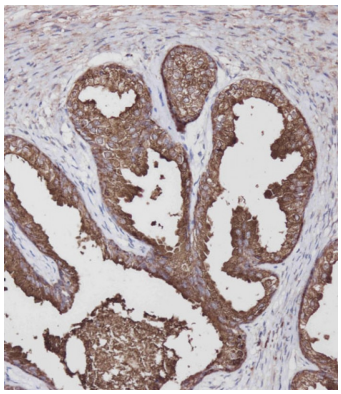
Background

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS3BP has been found elevated in the serum of patients with cancer and in those infected by the human immunodeficiency virus (HIV). It appears to be implicated in immune response associated with natural killer (NK) and lymphokine-activated killer (LAK) cell cytotoxicity. Using fluorescence in situ hybridization the full length 90K cDNA has been localized to chromosome 17q25. The native protein binds specifically to a human macrophage-associated lectin known as Mac-2 and also binds galectin 1.

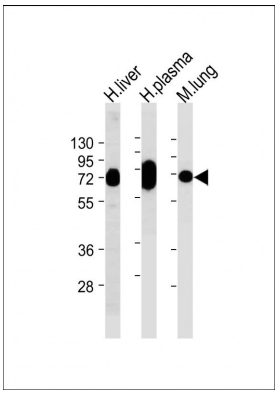
References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Srirajaskanthan, R., et al. Mol. Cell Proteomics 9(4):656-666(2010)
Zambelli, D., et al. Int. J. Cancer 126(1):41-52(2010)
Lee, J.H., et al. Pathology 41(3):229-233(2009)
Kim, S.J., et al. Acta Haematol. 120(4):211-216(2008)

Images



Immunohistochemical analysis of AP19780C on paraffin-embedded Human prostate tissue was performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 15min at room temperature. Leica Bond Polymer Refine Detection was used as the secondary antibody.



All lanes : Anti-LGALS3BP Antibody (Center) at 1:1000-1:2000 dilution Lane 1: Human liver lysate Lane 2: Human plasma lysate Lane 3: Mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5% NFDM/TBST.