LGALS3BP
Polyclonal ANTIBODY
Catalog Number: 10281-1-AP

Basic Information

Catalog Number: 10281-1-AP
Size: 150UL, 350 μg/ml
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG0294

GenBank Accession Number: BC002403
GeneID (NCBI): 3959
Full Name: lectin, galactoside-binding, soluble, 3 binding protein

Recommended Dilutions:
WB: 1:500-1:1000
IP: 0.5-4.0 μg for IP and 1:200-1:1000 for WB
IHC: 1:50-1:500
IF: 1:50-1:500

Observed MW: 65-90 kDa

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA
Cited Applications:
IF, IHC, WB

Species Specificity:
human
Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:
WB: fetal human brain tissue; HEK-293 cells, A549 cells, Hela cells, COLO 320 cells
IP: HepG2 cells; HEK-293 cells
IHC: human oesophagus cancer tissue; human breast cancer tissue
IF: HepG2 cells;

Background Information

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-3-binding protein (LGALS3BP, also known as 90K or Mac-2 BP) is a secreted glycoprotein which binds galectin-3, galectin-1, beta1 integrins, collagens and fibronectin (PMID: 8034587; 8024581; 11146440; 9501082). It has been implicated in tumor metastatic processes, as well as in other cell adhesion and immune functions. Levels of LGALS3BP have been found elevated in the serum of patients with cancer and in those infected by the human immunodeficiency virus (HIV) (PMID: 7698018). Western analysis suggests that LGALS3BP is found in breast milk, semen, saliva, urine, and tears, in addition to serum (PMID: 8390986).

Notable Publications

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<tr>
<th>Author</th>
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<th>Journal</th>
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<tr>
<td>Chunqing Wang</td>
<td>32572027</td>
<td>Nat Commun</td>
<td>WB</td>
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<tr>
<td>Lan-Tao Liu</td>
<td>23625325</td>
<td>Mol Med Rep</td>
<td>IF</td>
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<tr>
<td>Xiaoxin Zhang</td>
<td>31302247</td>
<td>Cell Signal</td>
<td>WB, IHC</td>
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Storage

Store at -20°C.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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fetal human brain tissue were subjected to SDS-PAGE followed by western blot with 10281-1-AP (LGALS3BP antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.


Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10281-1-AP (LGALS3BP Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10281-1-AP (LGALS3BP Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunofluorescent analysis of (-20°C ethanol) fixed HepG2 cells using 10281-1-AP (LGALS3BP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)