

For Research Use Only

Galectin-3 Polyclonal antibody

Catalog Number: 32664-1-AP



Basic Information

Catalog Number:

32664-1-AP

Concentration:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

16854

UNIPROT ID:

P16110

Full Name:

lectin, galactose binding, soluble 3

Calculated MW:

28 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:1000-1:4000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

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 : RAW 264.7 cells, NIH/3T3 cells, mouse spleen tissue

IHC : mouse spleen tissue,

IF/ICC : RAW 264.7 cells,

Background Information

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β -galactose-containing oligosaccharides (PMID: 8063692). Galectin-3, a member of the β -galactoside-binding proteins, contains one carbohydrate recognition domain (CRD) and a proline- and glycine-rich N-terminal domain through which it can form oligomers (PMID: 14758078). Galectin-3 is widely expressed in many normal tissues and a variety of tumors. It is found intracellularly in the nucleus and cytoplasm or secreted outside the cell, on the cell surface or in the extracellular space (PMID: 16478649). Galectin-3 is involved in various biological processes including cell growth, adhesion, differentiation, apoptosis, angiogenesis, immune response, neoplastic transformation and metastasis (PMID: 16478649; 14758078).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

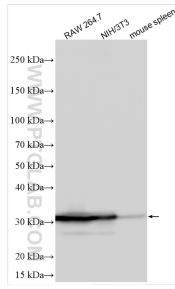
T: 4006900926

E: Proteintech-CN@ptglab.com

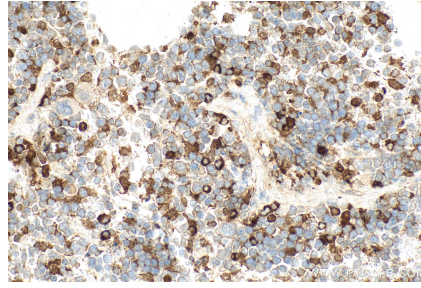
W: ptgcn.com

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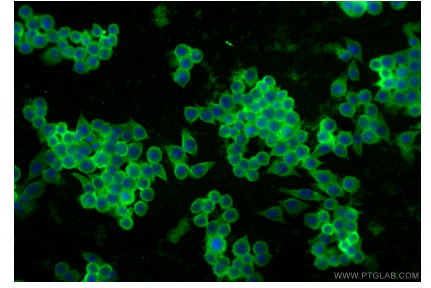
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32664-1-AP (Galectin-3 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32664-1-AP (Galectin-3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using Galectin-3 antibody (32664-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).