À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Galectin-3

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:14979-1-AP Phare 24 Publications

Informations de base

Numéro de catalogue:
14979-1-AP

Taille:
150ul , Concentration: 750 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG6891

Numéro d'acquisition GenBank:
BC001120

Identification du gène (NCBI):
3958

Nom complet:
lectin, galactoside-binding, soluble, 3

MW calculé
26 kDa

MW observés:
31 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:4000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:10-1:100

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules COLO 320, cellules HeLa, cellules MCF-7, cellules NIH/3T3, tissu cardiaque humain, tissu de côlon de rat

IP : cellules MCF-7,

IHC : tissu de cancer de la thyroïde humain, tissu de cancer du côlon humain

IF : cellules MCF-7,

Informations générales

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β-galactose-containing oligosac-charides (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 is able to form oligomers (PMID: 14758078). Galectin-3 is widely expressed in many normal tissues and a variety of tumors. It is found intracellularly in nucleus and cytoplasm or secreted outside of cell, being present 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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Qiong-Ya Zhao	32786176	Zool Res	IHC
Guillermo Herrador-Cañete	35949950	Mol Ther Oncolytics	WB
Jay Xiaojun Tan	36071159	Nature	IF

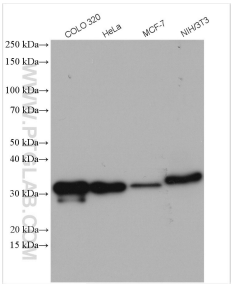
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

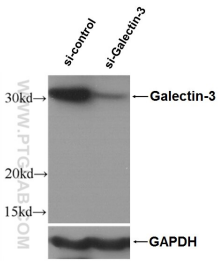
***** Les 20ul contiennent 0,1% de BSA.**

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

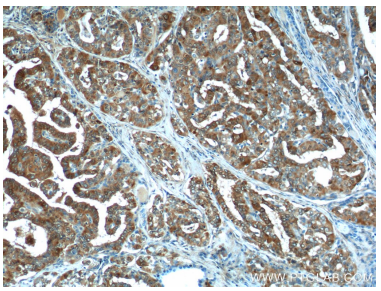
Données de validation sélectionnées



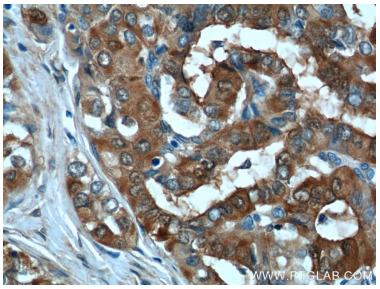
Various lysates were subjected to SDS PAGE followed by western blot with 14979-1-AP (Galectin-3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



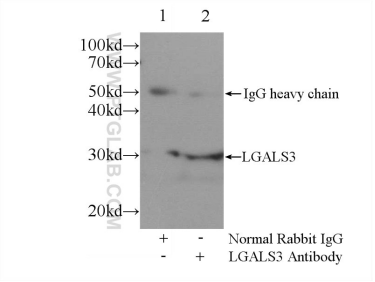
WB result of Galectin 3 antibody (14979-1-AP, 1:1000) with si-Control and si-Galectin 3 transfected HeLa cells.



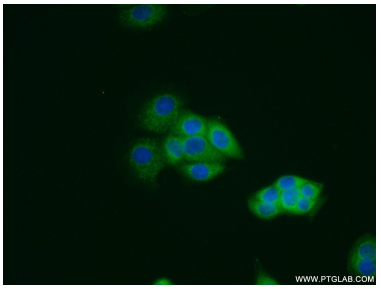
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 14979-1-AP (Galectin-3 antibody at dilution of 1:200 (under 10x lens).



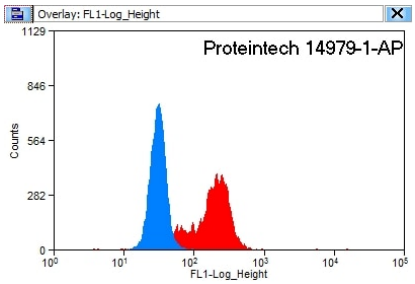
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 14979-1-AP (Galectin-3 antibody at dilution of 1:200 (under 40x lens).



IP Result of anti-Galectin-3 (IP:14979-1-AP, 3ug; Detection:14979-1-AP 1:500) with MCF-7 cells lysate 1600ug.



Immunofluorescent analysis of MCF-7 cells using 14979-1-AP (Galectin-3 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 HeLa cells were stained with 0.2ug Galectin-3 antibody (14979-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.