À des fins de recherche uniquement

Anticorps Monoclonal anti-Galectin-3

Numéro de catalogue:60207-1-Ig Phare 31 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
60207-1-Ig

Taille:
150ul , Concentration: 1669 μg/ml by Nanodrop and 833 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG6753

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 protéine A

CloneNo.:
1C1B2

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:1000-1:4000
IF 1:400-1:1600

Applications

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

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, 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 A431, cellules A549, cellules Caco-2, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules MCF-7, cellules T-47D, tissu placentaire humain

IHC : tissu de cancer de la thyroïde humain, tissu de côlon humain, tissu de tumeur ovarienne humain

IF : cellules HeLa, cellules MCF-7, tissu de cancer de la thyroïde humain

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
Vinay V Eapen	34585663	Elife	WB,IF
Dandan Zong	36332381	Sleep Med	WB
Ying Li	33124742	FASEB J	WB

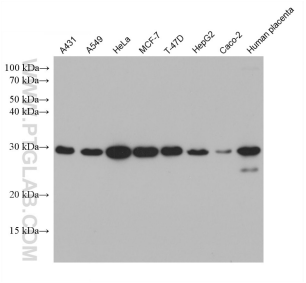
Stockage

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

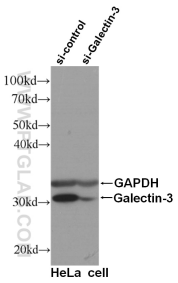
***** Les 20ul contiennent 0,1% de BSA.**

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

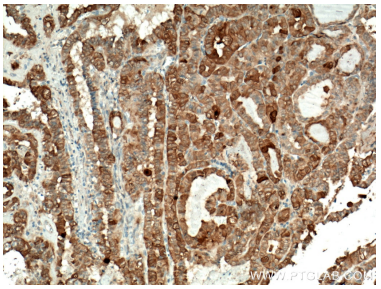
Données de validation sélectionnées



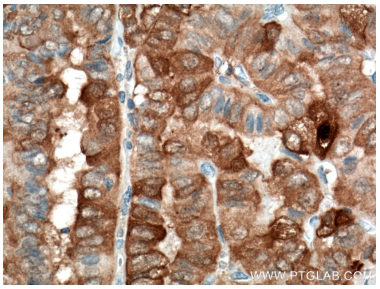
Various lysates were subjected to SDS PAGE followed by western blot with 60207-1-Ig (Galectin-3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



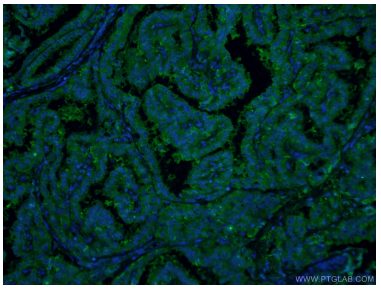
WB result of Galectin-3 specific antibody (60207-1-Ig, 1:1000) with si-control and si-Galectin-3 transfected HeLa cells.



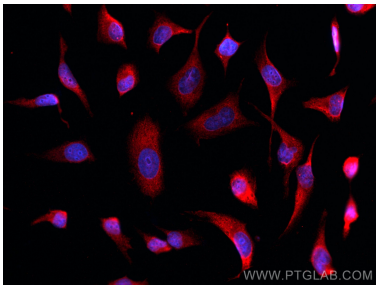
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 60207-1-Ig (Galectin-3 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



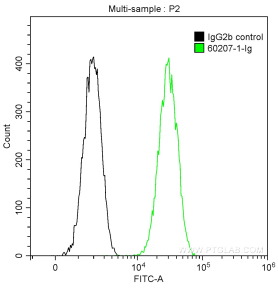
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 60207-1-Ig (Galectin-3 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human thyroid cancer tissue using 60207-1-Ig (Galectin-3 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Galectin-3 antibody (60207-1-Ig, Clone: 1C1B2) at dilution of 1:800 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 HeLa cells were stained with 0.2 ug Anti-Human Galectin-3 (60207-1-Ig, Clone:1C1B2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or stained with 0.2 ug isotype control antibody and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (black). Cells were fixed with 90% MeOH.