

Nur für Forschungszwecke

Galectin-3 Polyklonaler Antikörper

Katalog-Nr.:14979-1-AP

Vorgestelltes Produkt

23 Publikationen



Allgemeine Informationen

Katalog-Nr.: 14979-1-AP	GenBank-Zugangsnummer: BC001120	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 750 µg/ml von Nanodrop;	GeneID (NCBI): 3958	Empfohlene Verdünnungen: WB 1:1000-1:4000 IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: lectin, galactoside-binding, soluble, 3	IHC 1:50-1:500 IF 1:10-1:100
Isotyp: IgG	Berechnete Masse: 26 kDa	
Immunogen Katalognummer: AG6891	Beobachtete Masse: 31 kDa	

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: COLO 320-Zellen, HeLa-Zellen, humanes Herzgewebe, MCF-7-Zellen, NIH/3T3-Zellen, Ratten-Kolongewebe

IP: MCF-7-Zellen,

IHC: humanes Schilddrüsenkarzinomgewebe, humanes Kolonkarzinomgewebe

IF: MCF-7-Zellen,

Hintergrundinformationen

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 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).

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

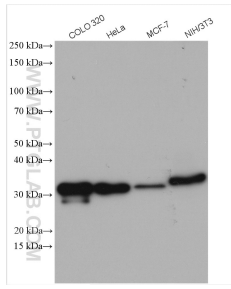
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

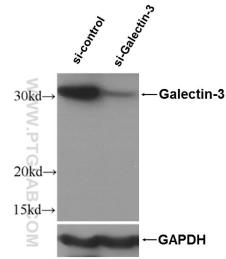
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

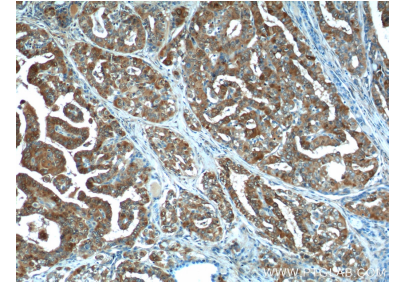
Ausgewählte Validierungsdaten



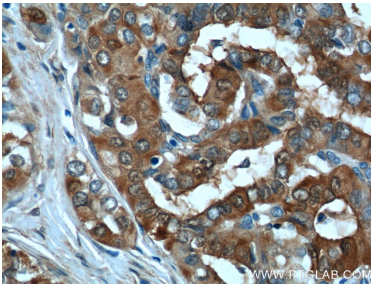
Various lysates were subjected to SDS PAGE followed by western blot with 14979-1-AP (Galectin-3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



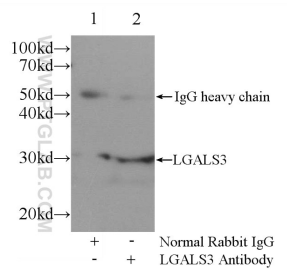
WB result of Galectin 3 antibody (14979-1-AP, 1:1.000) with si-Control and si-Galectin 3 transfected HeLa cells.



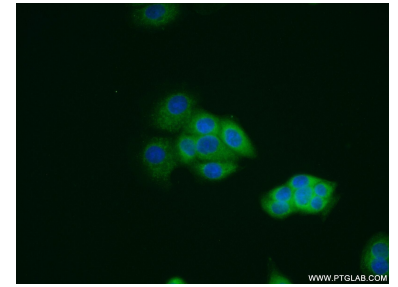
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 14979-1-AP (Galectin-3 antibody at dilution of 1:200 (under 10x lens).



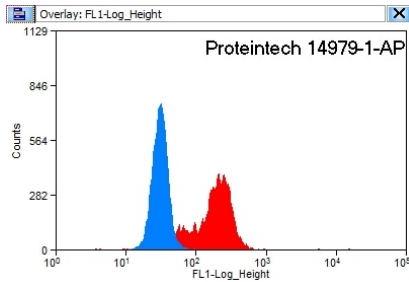
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 14979-1-AP (Galectin-3 antibody at dilution of 1:200 (under 40x lens).



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).



1×10^6 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.