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DATA SHEET

Rabbit Anti-Galectin-3 [MD170R]: RM0021, RM0021RTU7

Intended Use: For Research Use Only

Description: Galectin-3 is a 31 kD beta-galactosidase binding lectin. It has been associated with binding to the basement membrane glycoprotein laminin. Anti-Galectin-3 has been demonstrated to be valuable in differentiating between benign and malignant thyroid neoplasms in both histologic sections and fine needle aspiration biopsy material. Anti-Galectin-3 antibody has also been useful in identifying anaplastic large cell lymphoma. New studies show that Galectin-3 has been linked to tumors observed in two rare genetic diseases tuberous sclerosis complex (TSC) and lymphangioleiomyomatosis (LAM). These findings may help discover new treatments and other markers for disease diagnosis and prognosis.

Specifications

Clone:	MD170R
Source:	Rabbit
Reactivity:	Human
Immunogen:	Synthetic peptide from the C-terminus of human Galectin-3 protein aa 150-200
Isotype:	IgG
Localization:	Cytoplasm
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

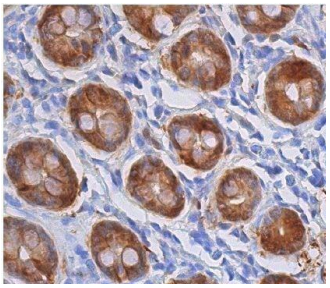
Package:

Description	Catalog No.	Size
Galectin-3 Concentrated	RM0021	1 ml
Galectin-3 Prediluted	RM0021RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Papillary thyroid carcinoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human colon stained with anti-Galectin-3 using DAB

References:

1. Dedicated SNAREs and specialized TRIM cargo receptors mediate secretory autophagy. Kimura, T. et al. EMBO J. 36: 42-60, 2017.
2. Immunohistochemical Subcellular Localization of Protein Biomarkers Distinguishes Benign from Malignant Thyroid Nodules: Potential for Fine-Needle Aspiration Biopsy Clinical Application. Ralhan, R. et al. Thyroid. 25: 1224-34, 2015.
3. Functional screen for secreted proteins by monoclonal antibody library and identification of Mac-2 Binding protein (Mac-2BP) as a potential therapeutic target and biomarker for lung cancer. Sun, L. et al. Molecular & cellular proteomics : MCP. 12: 395-406, 2013.

Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 510-509-3153 www.medaysis.com