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Anti-Rat Galectin-2 Polyclonal Antibody

CL7769AP
CL7769AP-S
Lot: 166921

DESCRIPTION:

Galectins are a family of carbohydrate-binding proteins with an affinity for β -galactosides that are involved in a wide range of biological activities. Galectin-2 expression is genetically determined and primarily confined to the gastrointestinal tract¹. As such, this protein is likely to encounter many T-cells. This is important as galectin-2 was identified as a pro-apoptotic effector for activated T cells¹.

Additionally, increased expression of galectin-2 was found to have an inhibitory effect on collateral arteriogenesis in patients with obstructive coronary artery disease².

PRESENTATION:

100 μ g (**CL7769AP**) or 20 μ g (**CL7769AP-S**) purified IgG buffered in PBS and 0.02% NaN₃. (Purified from serum via Affinity Chromatography). For maximum recovery of contents, spin down tube before use.

STORAGE/STABILITY:

Store at + 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

SPECIFICATION:

Immunogen: 14 amino acid synthetic peptide located within the rat galectin-2 sequence.

Specificity: This antibody is specific for rat galectin-2.

IgG Class: Rabbit IgG

Application: This antibody is suitable for use in ELISA and Western Blot (0.3 - 1 μ g/mL). This antibody has not been tested in other applications.

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TEST RESULTS:

Western Blot:



CL7769AP (0.3µg/ml) staining of a rat small Intestine lysate (35µg protein in RIPA buffer).
Primary incubation was 1 hour. Detected by chemiluminescence.

N.B. Appropriate control samples should always be included in any labeling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. Sturm, A., Lensch, M., Andre, S., Kaltner, H., Wiedenmann, B., Rosewicz, S., Dignass, A.U., Gabius, H.J. (2004). **Human galectin-2: novel inducer of T cell apoptosis with distinct profile of caspase activation.** *Journal of Immunology*. 173(6): 3825–3837.
2. Yildirim, C., et al. (2015). **Galectin-2 Induces a Proinflammatory, Anti-Arteriogenic Phenotype in Monocytes and Macrophages.** *PLoS ONE*, 10(4), e0124347.

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