

# Produktinformation



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Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

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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 tract<sup>1</sup>. 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 cells<sup>1</sup>.

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

#### PRESENTATION:

100 μg (CL7769AP) or 20 μg (CL7769AP-S) purified IgG buffered in PBS and 0.02% NaN<sub>3</sub>. (Purified from serum via Affinity Chromatography). For maximum recovery of contents, spin down tube before use.

#### **STORAGE/STABILITY:**

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

#### **SPECIFICATION:**

<u>Immunogen</u>: 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 - 1µg/mL). This antibody has not been tested in other applications.

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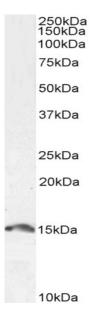
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#### **TEST RESULTS:**

#### 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. Yıldırım, C., et al. (2015). **Galectin-2 Induces a Proinflammatory, Anti-Arteriogenic Phenotype in Monocytes and Macrophages.** *PLoS ONE*, *10*(4), e0124347.