



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Technically  
Speaking

**CEDARLANE**<sup>®</sup>  
[www.cedarlanelabs.com](http://www.cedarlanelabs.com)



Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

## Anti-Human Galectin-7 Polyclonal Antibody

**CL7771AP**  
**CL7771AP-S**  
**Lot: 167121**

### **DESCRIPTION:**

Galectins are a family of carbohydrate-binding proteins with an affinity for  $\beta$ -galactosides that are involved in a wide range of biological activities. The primary role of galectin-7 is to regulate cell apoptosis, although it was shown to decrease neuroblastoma cell growth without the appearance of features characteristic for classical apoptosis<sup>1</sup>. Galectin-7 also contributes to different events that are associated with epithelial cell differentiation, migration, and development<sup>2</sup>.

Galectins in general lack a traditional signal sequence, but are still secreted across the plasma membrane. Galectin-7 expression is p53-induced, and its behavior as a lectin on the cell surface makes it a protein of interest, as it appears to be capable of reducing cancer cell proliferation in select systems<sup>3</sup>.

### **PRESENTATION:**

100  $\mu$ g (**CL7771AP**) or 20  $\mu$ g (**CL7771AP-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°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 human galectin-7 sequence.

Specificity: This antibody is specific for human galectin-7.

IgG Class: Rabbit IgG

Application: This antibody is suitable for use in ELISA, Western Blot (0.1 – 0.3 $\mu$ g/mL) and Immunohistochemistry with paraffin embedded sections (4  $\mu$ g/mL). This antibody has not been tested in other applications.

*Continued Overleaf....*

Visit our website for your local distributor.

**CEDARLANE**<sup>®</sup>



[www.cedarlanelabs.com](http://www.cedarlanelabs.com)

An ISO 9001:2000 and ISO 13485:2003  
registered company.

In CANADA: Toll Free: 1-800-268-5058

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020  
e-mail: [general@cedarlanelabs.com](mailto:general@cedarlanelabs.com)

In the USA: Toll Free: 1-800-721-1644

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138  
e-mail: [service@cedarlanelabs.com](mailto:service@cedarlanelabs.com)

## **TEST RESULTS:**

### **Western Blot:**



CL7771AP (0.1µg/ml) staining of a human skin 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. Kopitz, J., et al. (2003). **Homodimeric galectin-7 (p53-induced gene 1) is a negative growth regulator for human neuroblastoma cells.** *Oncogene*, 22, 6277.
2. Prendergast, G.C., & Jaffee, E. M. (2013). **Cancer Immunotherapy: Immune Suppression and Tumor Growth.** 550-552.
3. Biron-Pain, K., Grosset, A.A., Poirier, F., Gaboury, L., & St-Pierre, Y. (2013). **Expression and functions of galectin-7 in human and murine melanomas.** *PLoS ONE*, 8(5): e63307.

**For Research Use Only**