

**Anti-Galectin-4 Picoband Antibody**  
**Catalog # ABO12637****Specification**

---

**Anti-Galectin-4 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P56470</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Galectin-4(LGALS4) detection. Tested with WB in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Galectin-4 Picoband Antibody - Additional Information**

**Gene ID** 3960

**Other Names**

Galectin-4, Gal-4, Antigen NY-CO-27, L-36 lactose-binding protein, L36LBP, Lactose-binding lectin 4, LGALS4

**Calculated MW**

35941 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<br>

**Protein Name**

Galectin-4

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human GAL4 (283-320aa DRFKVYANGQHLLFDFAHRLSAFQRVDTLEIQGDVTL<sub>SY</sub>), different from the related mouse and rat sequences by seven amino acids.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

Storage

**At -20°C for one year. After r°Constitution,**

at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

### Anti-Galectin-4 Picoband Antibody - Protein Information

**Name** LGALS4

#### Function

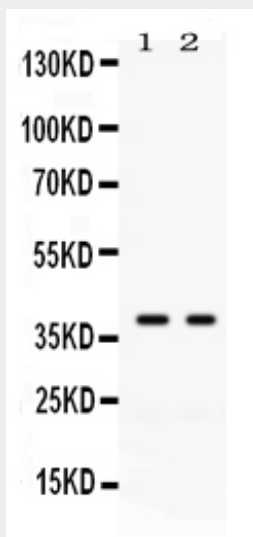
Galectin that binds lactose and a related range of sugars. May be involved in the assembly of adherens junctions.

### Anti-Galectin-4 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-Galectin-4 Picoband Antibody - Images



Western blot analysis of GAL4 expression in SW620 whole cell lysates (lane 1) and COLO320 whole cell lysates (lane 2). GAL4 at 39KD was detected using rabbit anti-GAL4 Antigen Affinity purified polyclonal antibody (Catalog # ABO12637) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

### Anti-Galectin-4 Picoband Antibody - Background

Galectin-4 is a protein that in humans is encoded by the LGALS4 gene. This gene is mapped to

chromosome 19q13.2 based on an alignment of the LGALS4 sequence. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS4 is an S-type lectin that is strongly underexpressed in colorectal cancer. The 323-amino acid LGALS4 protein contains 2 homologous, approximately 150-amino acid carbohydrate recognition domains and all amino acids typically conserved in galectins.