

**LGALS3 / Galectin 3 Antibody (aa140-190)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS17011**

**Specification**

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**LGALS3 / Galectin 3 Antibody (aa140-190) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P17931</a>
Other Accession	<a href="#">3958</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26152

**LGALS3 / Galectin 3 Antibody (aa140-190) - Additional Information**

**Gene ID** 3958

**Other Names**

LGALS3, 35 kd lectin, 35 kDa lectin, CBP35, GAL3, Galactoside-binding protein, GALIG, IgE-binding protein, Laminin-binding protein, Gal-3, GALBP, MAC-2, Mac-2 antigen, L31, MAC2, CBP 35, Galactose-specific lectin 3, Galectin-3, L-31, Lectin L-29

**Target/Specificity**

Human MAC-2 / Galectin-3

**Reconstitution & Storage**

PBS, pH 7.2, 15 mM sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

**Precautions**

LGALS3 / Galectin 3 Antibody (aa140-190) is for research use only and not for use in diagnostic or therapeutic procedures.

**LGALS3 / Galectin 3 Antibody (aa140-190) - Protein Information**

**Name** LGALS3 ([HGNC:6563](#))

**Synonyms** MAC2

**Function**

Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis (By similarity). In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. Together with TRIM16, coordinates the recognition of membrane damage with mobilization of the core autophagy regulators ATG16L1

and BECN1 in response to damaged endomembranes.

#### Cellular Location

Cytoplasm. Nucleus. Secreted. Note=Secreted by a non- classical secretory pathway and associates with the cell surface. Can be secreted; the secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum- Golgi intermediate compartment) followed by vesicle entry and secretion (PubMed:32272059).

#### Tissue Location

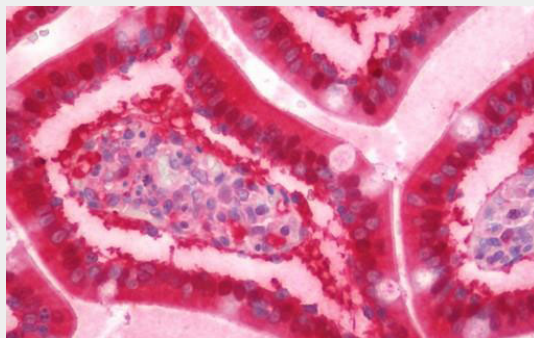
A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages. Expressed in fetal membranes.

### LGALS3 / Galectin 3 Antibody (aa140-190) - Protocols

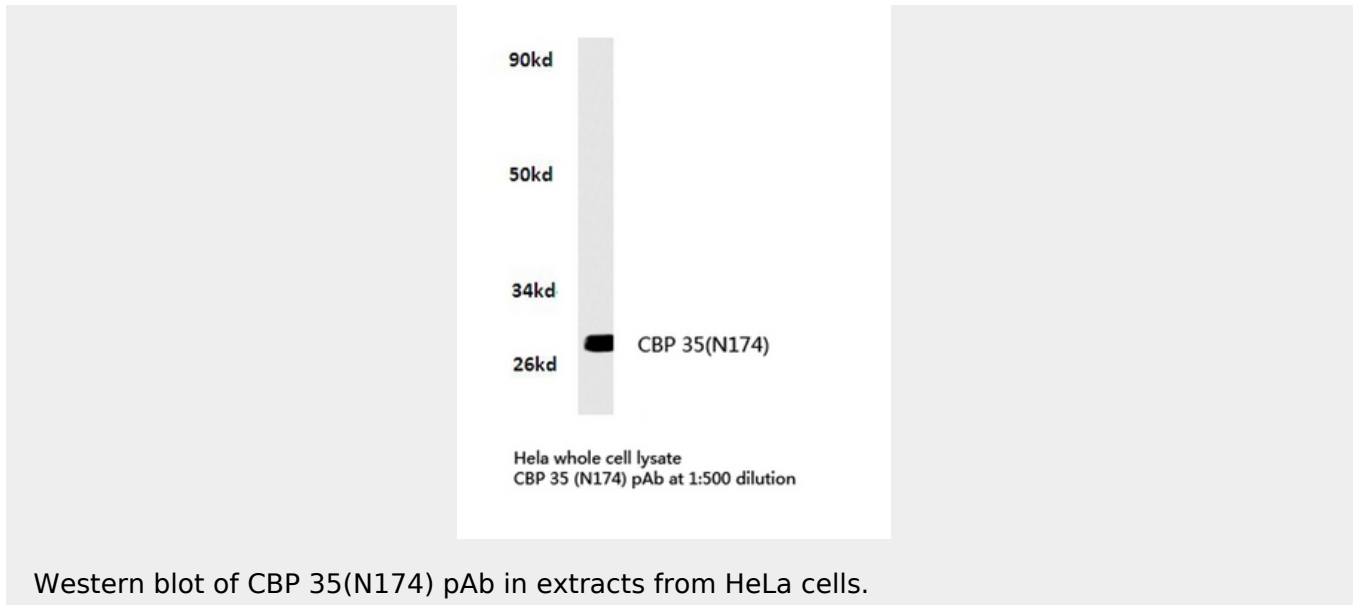
Provided below are standard protocols that you may find useful for product applications.

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

### LGALS3 / Galectin 3 Antibody (aa140-190) - Images



Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)



### **LGALS3 / Galectin 3 Antibody (aa140-190) - Background**

Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis (By similarity). In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells.

### **LGALS3 / Galectin 3 Antibody (aa140-190) - References**

- Robertson M.W., et al. *Biochemistry* 29:8093-8100(1990).
- Cherayil B., et al. *Proc. Natl. Acad. Sci. U.S.A.* 87:7324-7328(1990).
- Oda Y., et al. *Gene* 99:279-283(1991).
- Raz A., et al. *Cancer Res.* 51:2173-2178(1991).
- Lotz M.M., et al. *Proc. Natl. Acad. Sci. U.S.A.* 90:3466-3470(1993).