

**Galectin 3 Antibody**  
Rabbit mAb  
Catalog # AP92836

## Specification

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### Galectin 3 Antibody - Product Information

|  |                        |
|--|------------------------|
| Application  | WB, IHC, FC, ICC       |
| Primary Accession  | <a href="#">P17931</a> |
| Clonality  | Monoclonal             |
| <b>Other Names</b>   |                        |
| Carbohydrate binding protein 35; CBP35; GAL3; Galactose-specific lectin 3; GALBP; Galectin3; GALIG; GBP; IgE binding protein; L31; LGALS2; LGALS3; |                        |
| Isotype  | Rabbit IgG             |
| Host   | Rabbit                 |
| Calculated MW  | 26152 Da               |

### Galectin 3 Antibody - Additional Information

|                              |   |
|------------------------------|---|
| Purification                 | Affinity-chromatography   |
| Immunogen                    | A synthesized peptide derived from human Galectin 3   |
| Description                  | 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. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.   |

### Galectin 3 Antibody - 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

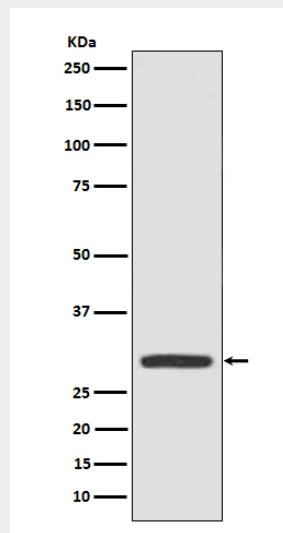
A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages. Expressed in fetal membranes.

### Galectin 3 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](#)

### Galectin 3 Antibody - Images



Western blot analysis of Galectin 3 expression in A431 cell lysate.