

#### Galectin 3 Rabbit mAb

Catalog # AP75474

# **Specification**

#### Galectin 3 Rabbit mAb - Product Information

Application
Primary Accession
Reactivity
Host
Clonality

Calculated MW 26152

#### Galectin 3 Rabbit mAb - Additional Information

**Gene ID 3958** 

Other Names LGALS3

**Dilution**WB~~1/500-1/1000
IHC~~1/50-1/100
IF~~1/50-1/200

Format Liquid

## Galectin 3 Rabbit mAb - 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.

WB, IHC, IF

**Monoclonal Antibody** 

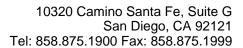
P17931

Human

Rabbit

## **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 Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Galectin 3 Rabbit mAb - Images

