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Galectin-3 Monoclonal Antibody(6G2)

Catalog # AP63297

Specification

Galectin-3 Monoclonal Antibody(6G2) - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	P17931
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**

Galectin-3 Monoclonal Antibody(6G2) - Additional Information

Gene ID 3958

Other Names
LGALS3; MAC2; Galectin-3; Gal-3; 35 kDa lectin; Carbohydrate-binding protein 35; CBP 35; Galactose-specific lectin 3; Galactoside-binding protein; GALBP; IgE-binding protein; L-31; Laminin-binding protein; Lectin L-29; Mac-2 antigen

Dilution
WB~~WB: 1:2000 IHC: 1:200 IF: 1:100-200
IHC-P~~N/A
IF~~1:50~200

Format
PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions
-20℃

Galectin-3 Monoclonal Antibody(6G2) - 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).

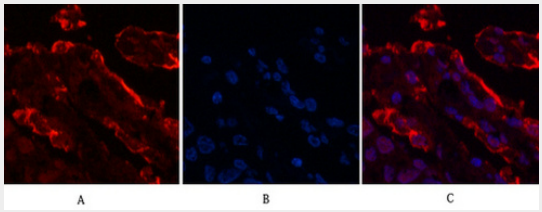
Tissue Location
A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages. Expressed in fetal membranes.

Galectin-3 Monoclonal Antibody(6G2) - Protocols

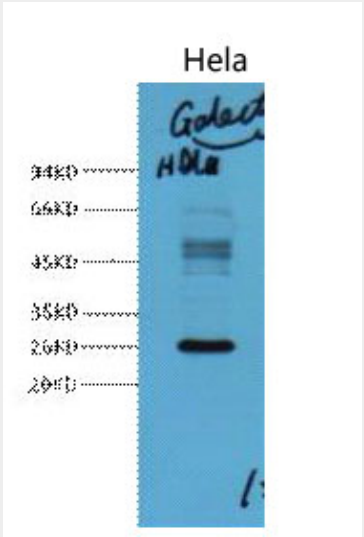
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Galectin-3 Monoclonal Antibody(6G2) - Images



Immunofluorescence analysis of Human-lung-cancer tissue. 1,Galectin-3 Monoclonal Antibody(6G2)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



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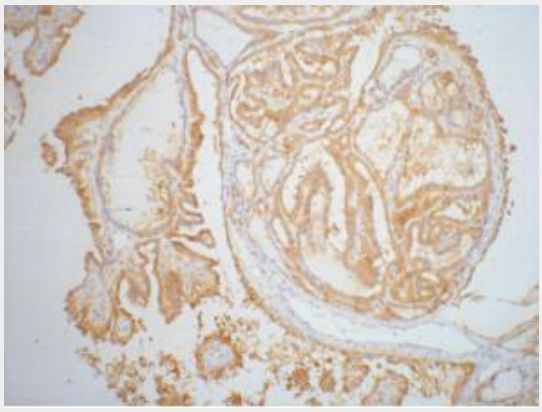
Western blot analysis of Hela, diluted at 1:3000.



IHC staining of Human thyroid tissue paraffin-embedded, diluted at 1:200.

Galectin-3 Monoclonal Antibody(6G2) - Background

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