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Goat Anti-Galectin 3 Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4190a

Specification

Goat Anti-Galectin 3 Antibody (internal region) - Product Information

Application	**WB, E**
Primary Accession	P17931
Other Accession	NP_002297.2
Reactivity	**Human, Mouse**
Predicted	**Human, Mouse, Rat**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5**
Calculated MW	**26152**

Goat Anti-Galectin 3 Antibody (internal region) - Additional Information

Gene ID 3958

Other Names
LGALS3; lectin, galactoside-binding, soluble, 3 ; CBP35; GAL3; GALBP; GALIG; LGALS2; MAC2 ; IgE-binding protein; MAC-2 antigen; carbohydrate-binding protein 35; galactose-specific lectin 3; galectin 3; galectin-3 internal gene; laminin-binding protein; lectin, galactoside-binding, soluble, 3 (galectin 3)

Dilution
WB~~1:1000
E~~N/A

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen
Peptide with sequence CNTKLDNNWGREERQ, from the internal region of the protein sequence according to NP_002297.2.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-Galectin 3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Galectin 3 Antibody (internal region) - 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.

Goat Anti-Galectin 3 Antibody (internal region) - 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

Goat Anti-Galectin 3 Antibody (internal region) - Images

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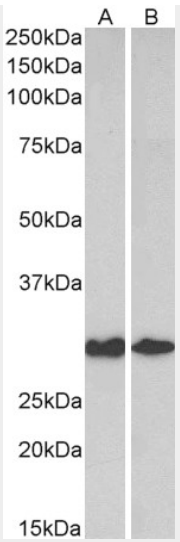

AF4190a (0.3 µg/ml) staining of Human (A) and Mouse (B) Colon lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Galectin 3 Antibody (internal region) - References

Increased galectin-3 expression and intraepithelial neutrophils in small airways in severe chronic obstructive pulmonary disease. Pilette C, Colinet B, Kiss R, Andre S, Kaltner H, Gabius HJ, Delos M, Vaerman JP, Decramer M, Sibille Y. Eur Respir J. 2007 Jan 24; [Epub ahead of print]