

Rabbit Galectin 3 Polyclonal Antibody | anti-LGALS3 antibody

Galectin 3 Antibody

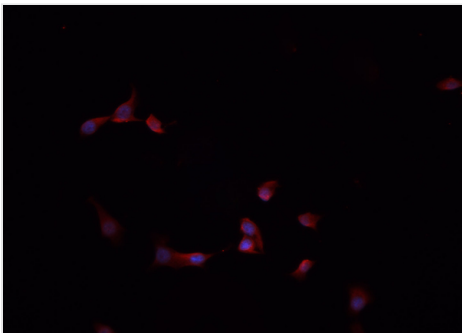
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30923	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

Galectin 3; Polyclonal Antibody; Galectin 3 Antibody; 35 kDa lectin; Carbohydrate binding protein 35; Carbohydrate-binding protein 35; CBP 35; CBP35; Gal-3; GAL3; Galactose-specific lectin 3; Galactoside-binding protein; GALBP; Galectin 3 internal gene; included; Galectin-3; Galectin3; GALIG; GBP; IgE binding protein; IgE-binding protein; L 31; L 34; L-31; L-34 galactoside-binding lectin; L31; Laminin-binding protein; Lectin L-29; Lectin; galactose binding; soluble 3; LEG3_HUMAN; LGALS2; LGALS3; MAC 2 antigen; Mac-2; Mac-2 antigen; MAC2; Macrophage galactose-specific lectin; MGC105387; anti-LGALS3 antibody

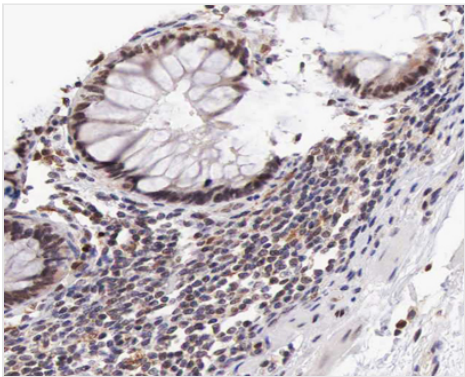
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Galectin 3 antibody detects endogenous levels of total Galectin 3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	250
Applicable Applications for anti-LGALS3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:3000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500
Immunogen	A synthesized peptide derived from human Galectin 3
Subcellular Location	Nucleus. Cytoplasmic in adenomas and carcinomas. May be secreted by a non-classical secretory pathway and associate with the cell surface.
Tissue Specificity	A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages. Expressed in fetal membranes.
Predicted Cross Reactivity	Pig, Horse, Rabbit, Dog
Similarity	Pig (92%), Horse (83%), Rabbit (92%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



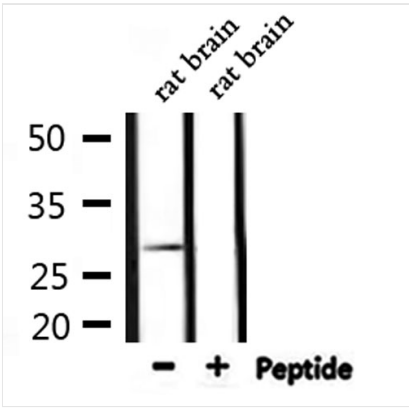
IF (Immunofluorescence)

AAA30923 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



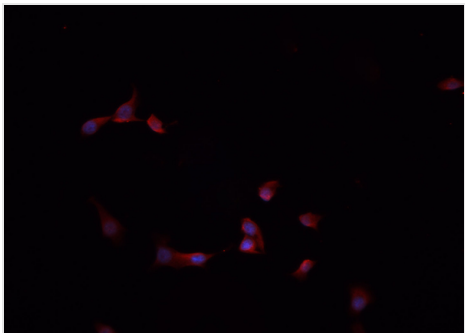
IHC (Immunohistochemistry)

AAA30923 at 1/100 staining human colon carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



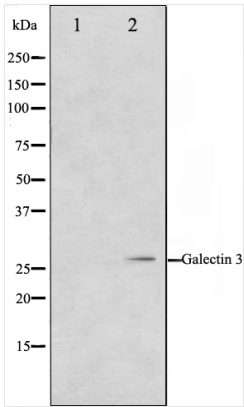
WB (Western Blot)

Western blot analysis of extracts from rat brain, using Galectin 3 Antibody.



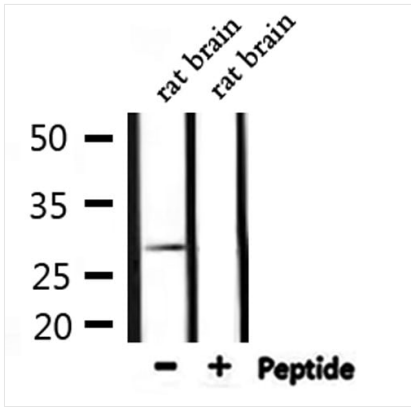
IF (Immunofluorescence)

AAA30923 staining A-431 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis on HeLa cell lysate using Galectin 3 Antibody, The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)

Western blot analysis of extracts from HeLa, using Galectin 3 Antibody. Lane 1 was treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-LGALS3 antibody	Description: Galectin-3 galactose-specific lectin which binds IgE. Expressed at a high level in the colonic epithelium. Also abundant in activated macrophages. 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. Subunit Structure: Probably forms homo-or heterodimers. Interacts with DMBT1 (By similarity). Interacts with CD6 and ALCAM (PubMed:24945728). Forms a complex with the ITGA3, ITGB1 and CSPG4. Interacts with LGALS3BP, LYPD3, CYHR1 and UACA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115430223
NCBI GeneID	3958
NCBI Accession #	NP_002297.2
NCBI GenBank Nucleotide #	NM_002306.3
UniProt Accession #	P17931; Q16005; Q6IBA7; Q96J47; B2RC38
Molecular Weight	Observed: 27 kDa Predicted: 27 kDa
NCBI Official Full Name	galectin-3 isoform 1
NCBI Official Synonym Full Names	galectin 3
NCBI Official Symbol	LGALS3
NCBI Official Synonym Symbols	L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2
NCBI Protein Information	galectin-3
UniProt Protein Name	Galectin-3
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	MAC2; Gal-3; CBP 35; GALBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.