

Rabbit anti-Human, Rat Galectin 3 Monoclonal Antibody | anti-LGALS3 antibody

Galectin 3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312416	Rabbit	Human, Rat	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

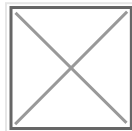
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

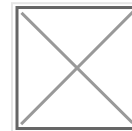
Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Clone Number	JF39-10
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-LGALS3 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



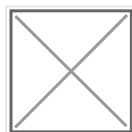
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HeLa cells with Galectin 3 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



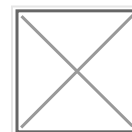
ICC (Immunocytochemistry)

ICC staining Galectin 3 in NIH/3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining Galectin 3 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis of Galectin 3 on different lysates using anti-Galectin 3 antibody at 1/1,000 dilution. Positive control: Lane 1: HeLa Lane 2: NIH/3T3 Lane 3: THP-1

ADDITIONAL INFORMATION

Related Product Information for anti-LGALS3 antibody	Galectins are a family of soluble b-galactoside-binding animal lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) inter- actions and play a role in tumor progression, pre-mRNA splicing and apop-tosis. The galectin-3 protein, also known as Mac-2, hMac-2, GALBP, CBP35 or LGALS3, contains a single carbohydrate binding domain, which binds galactose-containing glycoconjugates. Galectin-3 is expressed in colonic and intestinal epithelium, inflammatory macrophages, papillary and follicular carcinomas, neoplastic astrocytes and some B and T lymphocytes. Upregulated expression of galectin-3 is involved in cancer progression and metastasis. Galectin-3 mediates the endocytosis of beta 1 Integrins in a lactose-dependent manner and is associated with thyroid malignancy and Crohn's disease. It may also be used as a marker for identifying cases involving Hurthle cell adenomas and carcinomas.
Product Categories/Family for anti-LGALS3 antibody	Total protein Ab

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	26,152 Da
NCBI Official Full Name	galectin-3 isoform 1
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 3
NCBI Official Symbol	LGALS3
NCBI Official Synonym Symbols	L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2
NCBI Protein Information	galectin-3; lectin L-29; 35 kDa lectin; MAC-2 antigen; IgE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35
UniProt Protein Name	Galectin-3
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	MAC2; Gal-3; CBP 35; GALBP
UniProt Entry Name	LEG3_HUMAN

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.