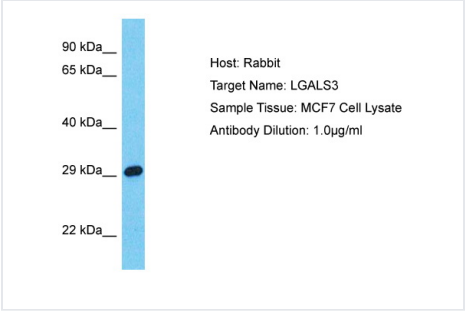
LGALS3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LGALS3, Polyclonal Antibody
Full Product Name	LGALS3 Antibody - N-terminal region
Product Gene Name	anti-LGALS3 antibody
Product Synonym Gene Name	L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2
Immunogen Sequence	Synthetic peptide located within the following region: FSLHDALSGS GNPNPQGWPG AWGNQPAGAG GYPGASYPGA YPGQAPPGAY
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	LGALS3 peptide (MBS3244062) is used for blocking the activity of LGALS3 antibody (MBS3219170)
Molecular Weight	27kDa
OMIM	153619
3D Structure	ModBase 3D Structure for P17931
Immunogen	The immunogen is a synthetic peptide directed towards the N-terminal region of Human LGALS3
Product Categories/Family for anti-LGALS3 antibody	Polyclonal; Cancer; Cell Biology; Developmental Biology; Signal Transduction; Various; DNA/RNA/Protein Interactions
Applications Tested/Suitable for anti-LGALS3 antibody	Western Blot (WB)
Related Product Information for anti-LGALS3 antibody	This is a rabbit polyclonal antibody against LGALS3. It was validated on Western Blot Target Description: This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-LGALS3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for LGALS3 purchase	MBS3219170 is an antibody targeting LGALS3. Also known as LGALS3 Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-LGALS3 antibody
Host: RabbitTarget Name: LGALS3Sample Type: MCF7 Whole Cell lysatesAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LGALS3. It may not necessarily be applicable to this product.

NCBI GI #	115430223
NCBI GeneID	3958
NCBI Accession #	NP_002297
UniProt Primary Accession #	P17931
UniProt Related Accession #	P17931
GenBank Nucleotide #	NM_002306.4
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
UniProt Protein Name	Galectin-3
UniProt Synonym Protein Names	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
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	MAC2; Gal-3; CBP 35; GALBP
UniProt Entry Name	LEG3_HUMAN
NCBI Protein Information	galectin-3
NCBI Summary for LGALS3	This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]

UniProt Comments for LGALS3	Galectin-3: galactose-specific lectin which binds IgE. Expressed at a high level in the colonic epithelium. Also abundant in activated macrophages. Protein type: Cell surface; Motility/polarity/chemotaxis; Extracellular matrix Chromosomal Location of Human Ortholog: 14q22.3 Cellular Component: extracellular matrix; spliceosome; extracellular space; proteinaceous extracellular matrix; membrane; mitochondrial inner membrane; cytoplasm; plasma membrane; immunological synapse; nucleus; external side of plasma membrane Molecular Function: protein binding; laminin binding; IgE binding; carbohydrate binding; chemoattractant activity Biological Process: monocyte chemotaxis; neutrophil chemotaxis; extracellular matrix organization and biogenesis; epithelial cell differentiation; positive chemotaxis; RNA splicing; negative regulation of endocytosis; regulation of T cell proliferation; eosinophil chemotaxis; negative regulation of T cell receptor signaling pathway; innate immune response; mRNA processing; skeletal development; macrophage chemotaxis
Research Articles on LGALS3	**1.** The TGF-beta-induced epithelial-mesenchymal transition in A549 cells can be enhanced by Galectin3.
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