Galectin 3 (GAL3) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Galectin 3 (GAL3), Polyclonal Antibody
Full Product Name	Galectin 3 antibody (HRP)
Product Gene Name	anti-GAL3 antibody
Product Synonym Names	Rabbit polyclonal Galectin 3 antibody (HRP); Polyclonal Galectin 3 antibody; Anti-Galectin 3 antibody; Galectin 3 antibody; Galectin 3 antibody; Galectin-3 antibody; GALBP antibody; LGALS3 antibody; GAL3 antibody; Galectin3 antibody; MAC2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 0.01M PBS, PH 7.4 with 0.03% Proclin 300 and 50% Glycerol
Purity/Purification	Purified by Caprylic Acid Ammonium Sulfate Precipitation
Specificity	Human
Preparation and Storage	Store at-20 to-80 degree C. Avoid repeated freeze/thaw cycles.
Matching Pairs	Capture Antibody: GAL3 (MBS5310688) Detection Antibody: GAL3 (MBS5310689) **Comments:** For use in ELISA and other sandwich immunoassays
Molecular Weight	26,152 Da
OMIM	153619
3D Structure	ModBase 3D Structure for P17931
Immunogen	Galectin 3 antibody was raised in Rabbit using recombinant human Galectin-3 protein as the immunogen
Product Categories/Family for anti-GAL3 antibody	Differentiation & Development
Applications Tested/Suitable for anti-GAL3 antibody	ELISA (EIA)
Related Product Information for anti-GAL3 antibody	Galectin 3has been shown to be involved in the following biological processes: cell adhesion, cell activation and chemoattraction, cell growth and differentiation, cell cycle, and apoptosis.
Other Notes	Small volumes of anti-GAL3 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 GAL3 purchase	MBS5310689 is an antibody targeting GAL3. Also known as Galectin 3 antibody (HRP). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GAL3. It may not necessarily be applicable to this product.

NCBI GI #	115430223

NCBI GeneID	3958
NCBI Accession #	NP_002297.2
UniProt Primary Accession #	P17931
UniProt Secondary Accession #	Q16005; Q6IBA7; Q96J47; B2RC38
UniProt Related Accession #	P17931
GenBank Nucleotide #	NM_002306.3
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
Protein Family	Galectin-3-binding protein
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	MAC2; Gal-3; CBP 35; GALBP
NCBI Protein Information	galectin-3
NCBI Summary for GAL3	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 GAL3	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 (). 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.
Research Articles on GAL3	**1.** the secretion of galectin-3 as a novel mechanism for osteoblasts to control osteoclastogenesis and to maintain trabecular bone homeostasis independently of the RANKL/OPG-axis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-gal3-human-antibody/galectin-3/5310689