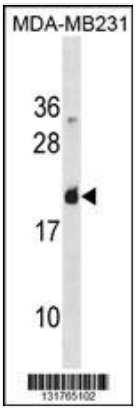
LGALS7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LGALS7, Polyclonal Antibody
Full Product Name	LGALS7 Antibody (Center)
Product Gene Name	anti-LGALS7 antibody
Product Synonym Names	Galectin-7; Gal-7; HKL-14; PI7; p53-induced gene 1 protein; LGALS7; PIG1
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.43 (lot specific)
Specificity	This LGALS7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-82 amino acids from the Central region of human LGALS7.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	LGALS7 peptide (MBS9228567) is used for blocking the activity of LGALS7 antibody (MBS9202268)
Molecular Weight	15075
Immunogen Sequence Positions	54-82
OMIM	600615
3D Structure	ModBase 3D Structure for P47929
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-LGALS7 antibody	Cancer; Cell biology; Neuroscience
Applications Tested/Suitable for anti-LGALS7 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-LGALS7 antibody	WB~~1:1000
Related Product Information for anti-LGALS7 antibody	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Differential and in situ hybridization studies indicate that this lectin is specifically expressed in keratinocytes and found mainly in stratified squamous epithelium. A duplicate copy of this gene (GeneID:653499) is found adjacent to, but on the opposite strand on chromosome 19.

Product References and Citations for anti-LGALS7 antibody	Demers, M., et al. Am. J. Pathol. 176(6):3023-3031(2010) Zhu, X., et al. BMC Cancer 10, 290 (2010) : Park, J.E., et al. Oncol. Rep. 22(6):1373-1379(2009) Demers, M., et al. Biochem. Biophys. Res. Commun. 387(3):425-429(2009) Saussez, S., et al. Int. J. Oncol. 34(2):433-439(2009)
Other Notes	Small volumes of anti-LGALS7 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 LGALS7 purchase	MBS9202268 is an antibody targeting LGALS7. Also known as LGALS7 Antibody (Center). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-LGALS7 antibody
LGALS7 Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the LGALS7 antibody detected the LGALS7 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LGALS7. It may not necessarily be applicable to this product.

NCBI GI #	109948279
NCBI GeneID	653499
NCBI Accession #	NP_001035972.1
NCBI Related Accession #	NP_002298.1
UniProt Primary Accession #	P47929
UniProt Secondary Accession #	Q6IB87
UniProt Related Accession #	P47929
GenBank Nucleotide #	NM_001042507.3
NCBI Official Full Name	galectin-7
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 7B
NCBI Official Symbol	LGALS7B
NCBI Official Synonym Symbols	PI7; GAL7; Gal-7; HKL-14; LGALS7
UniProt Protein Name	Galectin-7
UniProt Synonym Protein Names	HKL-14; PI7; p53-induced gene 1 protein
Protein Family	Galectin
UniProt Gene Name	LGALS7
UniProt Synonym Gene Names	PIG1; Gal-7

UniProt Entry Name	LEG7_HUMAN
NCBI Protein Information	galectin-7
NCBI Summary for LGALS7	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Differential and in situ hybridization studies indicate that this lectin is specifically expressed in keratinocytes and found mainly in stratified squamous epithelium. A duplicate copy of this gene (GeneID:3963) is found adjacent to, but on the opposite strand on chromosome 19. [provided by RefSeq, Jul 2008]
UniProt Comments for LGALS7	LGALS7B: Could be involved in cell-cell and/or cell-matrix interactions necessary for normal growth control. Pro-apoptotic protein that functions intracellularly upstream of JNK activation and cytochrome c release. Protein type: Apoptosis; Cell adhesion Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: extracellular space; cytoplasm; nucleus Molecular Function: carbohydrate binding Biological Process: heterophilic cell adhesion; apoptosis
Research Articles on LGALS7	**1.** serum concentration was significantly elevated in women (weeks 10-12 and 17-20) who subsequently developed pre-eclampsia
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.
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