LGALS7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LGALS7, Polyclonal Antibody
Full Product Name	LGALS7, ID (LGALS7, PIG1, Galectin-7, HKL-14, PI7, p53-induced gene 1 protein) (MaxLight 750)
Product Gene Name	anti-LGALS7 antibody
Product Synonym Names	LGALS7; PIG1; Galectin-7; HKL-14; PI7; p53-induced gene 1 protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	15,075 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (39279850..39282394). Location: 19q13.2
OMIM	600615
3D Structure	ModBase 3D Structure for P47929
Immunogen	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.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-LGALS7 antibody	Antibodies; Lectins
Applications Tested/Suitable for anti-LGALS7 antibody	Western Blot (WB), FLISA
Application Notes for anti-LGALS7 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-LGALS7 antibody	MaxLight750 is a new Near IR stable dye conjugate comparable to DyLight750, Alexa Fluor700 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (759nm); Emission (780nm); Extinction Coefficient 240,000.
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	MBS6315831 is an antibody targeting LGALS7. Also known as LGALS7, ID (LGALS7, PIG1, Galectin-7, HKL-14, PI7, p53-induced gene 1 protein) (MaxLight 750). Reactive in Human. Host: Rabbit.

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; galectin 7B; galectin-7B; p53-induced protein 1; keratinocyte lectin 14; p53-induced gene 1 protein; lectin galactoside-binding soluble 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: Cell adhesion; Apoptosis 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.** An association was seen between the level of presence of galectins-1 and -7 and neoplastic progression of hypopharyngeal and laryngeal squamous cell carcinomas.
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