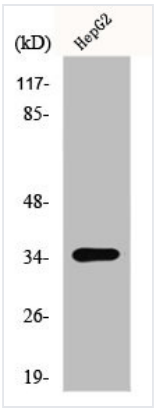
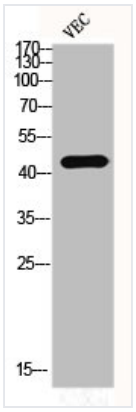
LGALS9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LGALS9, Polyclonal Antibody
Full Product Name	LGALS9 Antibody
Product Gene Name	anti-LGALS9 antibody
Product Synonym Names	LGALS9; Galectin-9; Gal-9; Ecalectin; Tumor antigen HOM-HD-21
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	39,518 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (25958174..25976586). Location: 17q11.2
OMIM	601879
3D Structure	ModBase 3D Structure for O00182
Immunogen	Synthesized peptide derived from the Internal region of human Galectin-9.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-LGALS9 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LGALS9 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-LGALS9 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 IF: 1:200-1:1000 ELISA: 1:10000
Related Product Information for anti-LGALS9 antibody	MBS7122031 is an antibody targeting LGALS9. Also known as LGALS9 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-LGALS9 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.



Western Blot (WB) of anti-LGALS9 antibody
Western Blot analysis of HepG2 cells using Galectin-9 Polyclonal Antibody



Western Blot (WB) of anti-LGALS9 antibody
Western Blot analysis of VEC cells using Galectin-9 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LGALS9. It may not necessarily be applicable to this product.

NCBI GI #	102469694
NCBI GeneID	3965
NCBI Accession #	NP_002299.2
UniProt Primary Accession #	O00182
UniProt Secondary Accession #	O14532; O75028; Q3B8N1; Q53FQ0; Q9NQ58; A7VJG6
UniProt Related Accession #	O00182
GenBank Nucleotide #	NM_002308.3
NCBI Official Full Name	galectin-9 isoform short
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 9
NCBI Official Symbol	LGALS9
NCBI Official Synonym Symbols	HUAT; LGALS9A
UniProt Protein Name	Galectin-9
UniProt Synonym Protein Names	Ecalectin; Tumor antigen HOM-HD-21
Protein Family	Galectin
UniProt Gene Name	LGALS9
UniProt Synonym Gene Names	Gal-9
UniProt Entry Name	LEG9_HUMAN
NCBI Protein Information	galectin-9; gal-9; ecalectin; galectin 9; tumor antigen HOM-HD-21; urate transporter/channel protein
NCBI Summary for LGALS9	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for LGALS9	galectin-9: Binds galactosides. Has high affinity for the Forssman pentasaccharide. May play a role in thymocyte-epithelial interactions relevant to the biology of the thymus. Inhibits cell proliferation. It is a ligand for HAVCR2/TIM3. Induces T-helper type 1 lymphocyte (Th1) death. Isoform Short acts as an eosinophil chemoattractant. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 17q11.2 Cellular Component: cytoplasm Molecular Function: signal transducer activity; galactose binding; carbohydrate binding Biological Process: positive regulation of I-kappaB kinase/NF-kappaB cascade; signal transduction
Research Articles on LGALS9	**1.** These results show a differential regulation of Lgals9 isoform expression during normal and pathological pregnancies and designate Lgals9 as a potential marker for adverse pregnancy outcomes.
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