

Product Name: Galectin-9 Rabbit Polyclonal Antibody
Catalog #: AP Rab11278



Summary

Production Name	Galectin-9 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	LGALS9
Alternative Names	LGALS9; Galectin-9; Gal-9; Ecalectin; Tumor antigen HOM-HD-21
Gene ID	3965.0
SwissProt ID	O00182.The antiserum was produced against synthesized peptide derived from human LEG9. AA range:51-100

Application

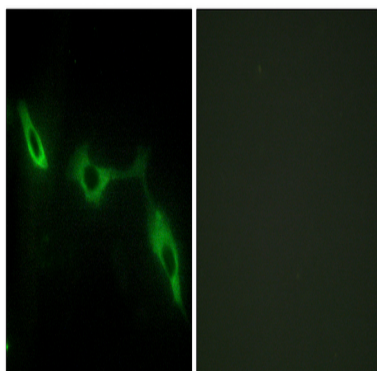
Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:10000.Not yet tested in other applications.
Molecular Weight	40kDa

Background

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], alternative products: Additional isoforms seem to exist, domain: Contains two homologous but distinct carbohydrate-binding domains, function: 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. The isoform Short acts as an eosinophil chemoattractant. Is a ligand for HAVCR2/TIM3. Induces T-helper type 1 lymphocyte (Th1) death, online information: Galectin-9, similarity: Contains 2 galectin domains, subcellular location: May also be secreted by a non-classical secretory pathway, subunit: Monomer, tissue specificity: Peripheral blood leukocytes and lymphatic tissues. Overexpressed in Hodgkin's disease tissue,

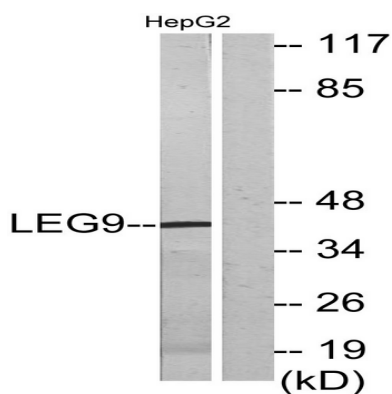
Research Area

Image Data

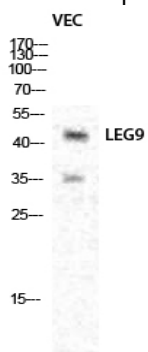


Immunofluorescence analysis of NIH/3T3 cells, using LEG9 Antibody. The picture on the right is blocked with the synthesized peptide.

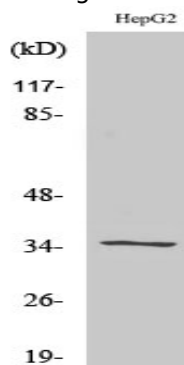
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Western blot analysis of lysates from HepG2 cells, using LEG9 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Galectin-9 Polyclonal Antibody diluted at 1: 1000



Western Blot analysis of HepG2 cells using Galectin-9 Polyclonal Antibody diluted at 1: 1000

Note

For research use only.