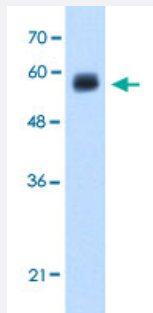


CLEC4M polyclonal antibody

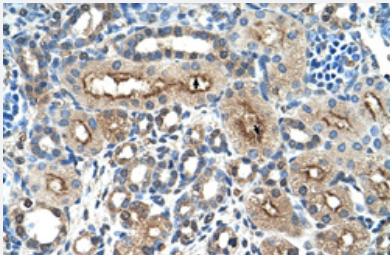
Catalog # PAB29924 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with CLEC4M polyclonal antibody (Cat # PAB29924) at 1.25 ug/mL working concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with CLEC4M polyclonal antibody (Cat # PAB29924) at 4-8 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human CLEC4M.
Immunogen	A synthetic peptide corresponding to N-terminus of human CLEC4M.
Sequence	LVLQLLSFMLLAGVLVAILVQVSKVPSSLSQEQSEQDAIYQNLTLKAAV
Host	Rabbit
Theoretical MW (kDa)	44
Reactivity	Human
Form	Liquid

Purification	Protein A purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (1.25 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with CLEC4M polyclonal antibody (Cat # PAB29924) at 1.25 ug/mL working concentration.

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Gene Info — CLEC4M

Entrez GeneID	10332
GeneBank Accession#	NM_014257
Protein Accession#	NP_055072:Q9H2X3
Gene Name	CLEC4M
Gene Alias	CD209L, CD299, DC-SIGN2, DC-SIGNR, DCSIGNR, HP10347, L-SIGN, LSIGN, MGC129964, MGC47866
Gene Description	C-type lectin domain family 4, member M
Omim ID	605872
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a transmembrane receptor and is often referred to as L-SIGN because of its expression in the endothelial cells of the lymph nodes and liver. The encoded protein is involved in the innate immune system and recognizes numerous evolutionarily divergent pathogens ranging from parasites to viruses, with a large impact on public health. The protein is organized into three distinct domains: an N-terminal transmembrane domain, a tandem-repeat neck domain and C-type lectin carbohydrate recognition domain. The extracellular region consisting of the C-type lectin and neck domains has a dual function as a pathogen recognition receptor and a cell adhesion receptor by binding carbohydrate ligands on the surface of microbes and endogenous cells. The neck region is important for homo-oligomerization which allows the receptor to bind multivalent ligands with high avidity. Variations in the number of 23 amino acid repeats in the neck domain of this protein are common and have a significant impact on ligand binding ability. This gene is closely related in terms of both sequence and function to a neighboring gene (GeneID 30835; often referred to as DC-SIGN or CD209). DC-SIGN and L-SIGN differ in their ligand-binding properties and distribution. Alternative splicing results in multiple variants

Other Designations

CD209 antigen-like|CD299 antigen|dendritic cell-specific ICAM-3-grabbing nonintegrin 2|liver/lymph node-specific ICAM-3 grabbing non-integrin|mannose binding C-type lectin DC-SIGNR

Disease

- [Communicable Diseases](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Severe Acute Respiratory Syndrome](#)
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