



CD299 rabbit pAb

Cat No.:ES8703

For research use only

Overview

Product Name	CD299 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000
Immunogen	Synthetic peptide from human protein at AA range: 271-320
Specificity	The antibody detects endogenous CD299
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	C-type lectin domain family 4 member M (CD209 antigen-like protein 1) (DC-SIGN-related protein) (DC-SIGNR) (Dendritic cell-specific ICAM-3-grabbing non-integrin 2) (DC-SIGN2) (Liver/lymph node-specifi
Gene Name	CLEC4M CD209L CD209L1 CD299
Cellular localization	[Isoform 1]: Cell membrane ; Single-pass type II membrane protein .; [Isoform 2]: Cell membrane ; Single-pass type II membrane protein .; [Isoform 3]: Cell membrane ; Single-pass type II membrane protein .; [Isoform 5]: Secreted .; [Isoform 6]: Secreted .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	60kD
Human Gene ID	10332
Human Swiss-Prot Number	Q9H2X3
Alternative Names	C-type lectin domain family 4 member M (CD209

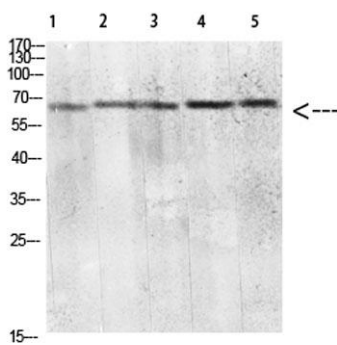




Background

antigen-like protein 1;DC-SIGN-related protein;DC-SIGNR;Dendritic cell-specific ICAM-3-grabbing non-integrin 2;DC-SIGN2;Liver/lymph node-specific ICAM-3-grabbing non-integrin;L-SIGN;CD antigen CD299)

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



1,mouse-lung 2, mouse-heart
3, 293T 4, Hela 5,3T3

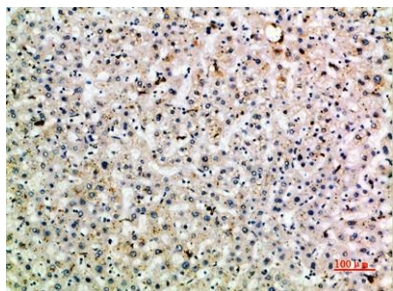
Western blot analysis of mouse-lung mouse-lung lysate, antibody was diluted at 2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000





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Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200



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