

DC-SIGNR1/CD209b Rabbit pAb

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Catalog # AP56713

Product Information

Application	WB
Primary Accession	Q8CJ91
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37112
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse CD209b
Epitope Specificity	51-150/325
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane Single-pass type II membrane protein
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Antigen-presenting cells are localized in essentially every tissue, where they operate at the interface of innate and acquired immunity by capturing pathogens and presenting pathogen-derived peptides to T cells. Dendritic cells capture antigens or viruses in peripheral tissue and transport them to lymphoid organs, an event that induces cellular T cell responses. The mouse CD209 family of cell adhesion receptors consists of CD209a (also known as DC-SIGN), CD209b, CD209c, CD209d, CD209e, CD209f and CD209g, all of which function to mediate the endocytosis and subsequent degradation of pathogens within lysosomal compartments. There are two human CD209 proteins, designated DC-SIGN and DC-SIGNR, which function in a similar manner to the mouse proteins.

Additional Information

Gene ID	69165
Other Names	CD209 antigen-like protein B, DC-SIGN-related protein 1, DC-SIGNR1, OtB7, CD209, Cd209b
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

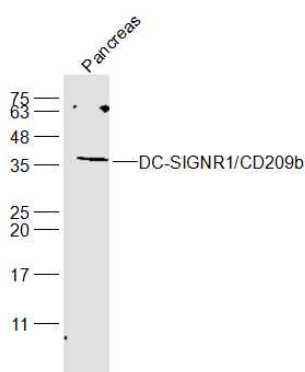
Protein Information

Name	Cd209b
Function	Probable pathogen-recognition receptor. May mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. May recognize in a calcium-dependent manner high mannose N-linked oligosaccharides in a variety of pathogen antigens. Is a receptor for ICAM3, probably by binding to mannose-like carbohydrates.
Cellular Location	Membrane; Single-pass type II membrane protein
Tissue Location	Expressed in skin, spleen and lung, probably in a subset of dendritic cells. Detected in spleen extrafollicular paracortical areas including the red pulp and marginal zones, and at lower levels, in the follicular area. Detected in skin suprabasal areas adjacent to the epidermis and in epidermal cell layer

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Images



Sample:
Pancreas (Mouse) Lysate at 40 ug
Primary: Anti-DC-SIGNR1/CD209b(AP56713) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 37 kD
Observed band size: 37 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.