

Rabbit CD209 Polyclonal Antibody | anti-CD209 antibody

CD209 antibody - N-terminal region

CATALOG # AAA199144	HOST Rabbit	REACTIVITY Tested Species Reactivity: Human Predicted Species Reactivity: Human, Pig	APPLICATIONS Western Blot
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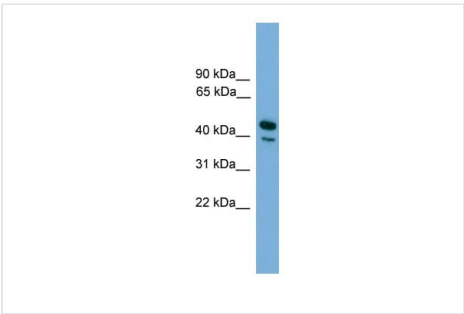
PRODUCT SYNONYMS

CD209; Polyclonal Antibody; CD209 antibody - N-terminal region; anti-CD209 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Pig
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer and 0.095 sodium azide.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following sequence: AG CLGHGPLVLQ LLSFTLLAGL LVQVSKVPSS ISQEQSRQDA IYQNLTQL
Sequence Length	404
Applicable Applications for anti-CD209 antibody	WB (Western Blot)
Homology	Human: 100%; Pig: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CD209
Protein Size (# AA)	404 amino acids
Protein Interactions	VAC14; IKBKE; LSP1; CYLD; LGALS3BP; CEACAM5; CLU; CLEC4M; CD209; ICAM3; ICAM2; ITGAM; CEACAM1; SP1; HCVgp1;
Blocking Peptide	For anti-CD209 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
WB Suggested Anti-CD209 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:312500Positive
Control: MCF7 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CD209 antibody	Target Description: This gene encodes a transmembrane receptor and is often referred to as DC-SIGN because of its expression on the surface of dendritic cells and macrophages. 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 rare but 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 10332; often referred to as L-SIGN). DC-SIGN and L-SIGN differ in their ligand-binding properties and distribution. Alternative splicing results in multiple variants.
Product Categories/Family for anti-CD209 antibody	Polyclonal; Tissue Specific & Cell Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863957
NCBI GeneID	30835
NCBI Accession #	NP_066978
NCBI GenBank Nucleotide #	NM_021155
UniProt Accession #	Q9NNX6
Molecular Weight	46kDa
NCBI Official Full Name	CD209 antigen isoform 1
NCBI Official Synonym Full Names	CD209 molecule
NCBI Official Symbol	CD209
NCBI Official Synonym Symbols	CDSIGN; CLEC4L; DC-SIGN; DC-SIGN1
NCBI Protein Information	CD209 antigen
UniProt Protein Name	CD209 antigen
UniProt Gene Name	CD209
UniProt Synonym Gene Names	CLEC4L; DC-SIGN; DC-SIGN1
UniProt Entry Name	CD209_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd209-antibody-western-blot-elisa/199144>