

CD209 rabbit pAb**Cat#: orb767238 (Manual)**

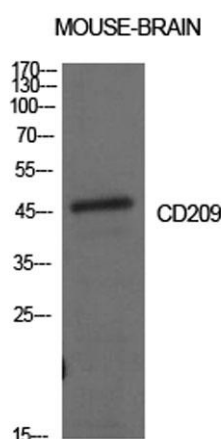
For research use only. Not intended for diagnostic use.

Product Name	CD209 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from CD209 antigen at AA range: 261-310
Specificity	CD209 Polyclonal Antibody detects endogenous levels of CD209 protein.
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	CD209 antigen
Gene Name	CD209
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 4]: Cell membrane ; Single-pass type II membrane protein . ; [Isoform 5]: Cell membrane ; Single-pass type II membrane protein . ; [Isoform 6]: Secreted . ; [Isoform 7]: Secreted . ; [Isoform 8]: Secreted . ; [Isoform 9]: Secreted . ; [Isoform 10]: Secreted . ; [Isoform 11]: Secreted . ; [Isoform 12]: 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	45kD
Human Gene ID	30835
Human Swiss-Prot Number	Q9NNX6
Alternative Names	CD209; CLEC4L; CD209 antigen; C-type lectin domain family 4 member L; Dendritic cell-specific ICAM-3-grabbing non-integrin 1; DC-SIGN; DC-SIGN1; CD209

Background

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 a



Western Blot analysis of mouse brain cells using CD209 Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000