

# CD209 Polyclonal antibody

Catalog Number: 31621-1-AP

## Basic Information

**Catalog Number:**

31621-1-AP

**Size:**

400 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC110615

**GeneID (NCBI):**

30835

**UNIPROT ID:**

Q9NNX6

**Full Name:**

CD209 molecule

**Calculated MW:**

404 aa, 45.7 kDa

**Observed MW:**

45 kDa

**Purification Method:**

Antigen affinity Purification

**Recommended Dilutions:**

WB 1:5000-1:50000

IHC 1:1000-1:4000

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : human placenta tissue,

IHC : human tonsillitis tissue,

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

CD209 (DC-SIGN, CLEC4L) is a C-type lectin receptor that is involved in the innate immune system and recognizes numerous evolutionarily divergent pathogens, including bacteria, viruses, and parasites. CD209 is preferentially expressed on dendritic cells (DCs). It mediates transient adhesion of DCs with T cells. It has been reported that CD209 plays a role in capture and transmission of HIV from DC to T cells (PMID: 10721995).

## Storage

**Storage:**

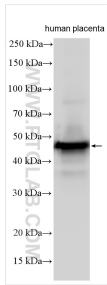
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

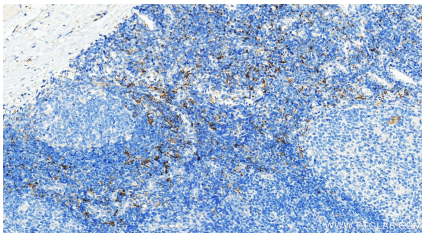
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

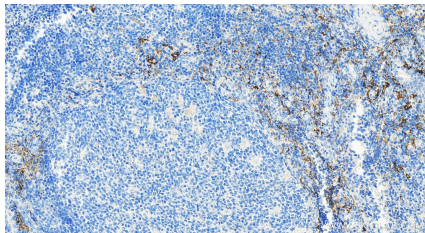
## Selected Validation Data



Human placenta tissue was subjected to SDS PAGE followed by western blot with 31621-1-AP (CD209 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 31621-1-AP (CD209 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 31621-1-AP (CD209 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).