

CD19 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5355

Specification

CD19 Antibody (C-term) - Product Information

| | |
|-------------------|------------------------|
| Application | WB,E |
| Primary Accession | P15391 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | polyclonal |
| Calculated MW | H=61 KDa |
| Isotype | Rabbit IgG |
| Antigen Source | HUMAN |

CD19 Antibody (C-term) - Additional Information

Gene ID 930

Antigen Region
517-551

Other Names

B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, Differentiation antigen CD19, T-cell surface antigen Leu-12, CD19, CD19

Dilution

WB~~1:1000

Target/Specificity

This CD19 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 517-551 amino acids from the C-terminal region of human CD19.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CD19 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CD19 Antibody (C-term) - Protein Information

Name CD19

Function

Functions as a coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes (PubMed:29523808). Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens (PubMed:1373518, PubMed:16672701, PubMed:2463100). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed:12387743, PubMed:16672701, PubMed:9317126, PubMed:9382888). Is not required for early steps during B cell differentiation in the blood marrow (PubMed:9317126). Required for normal differentiation of B-1 cells (By similarity). Required for normal B cell differentiation and proliferation in response to antigen challenges (PubMed:1373518, PubMed:2463100). Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge (PubMed:12387743, PubMed:16672701, PubMed:9317126).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Membrane raft
{ECO:0000250|UniProtKB:P25918}; Single-pass type I membrane protein
{ECO:0000250|UniProtKB:P25918}

Tissue Location

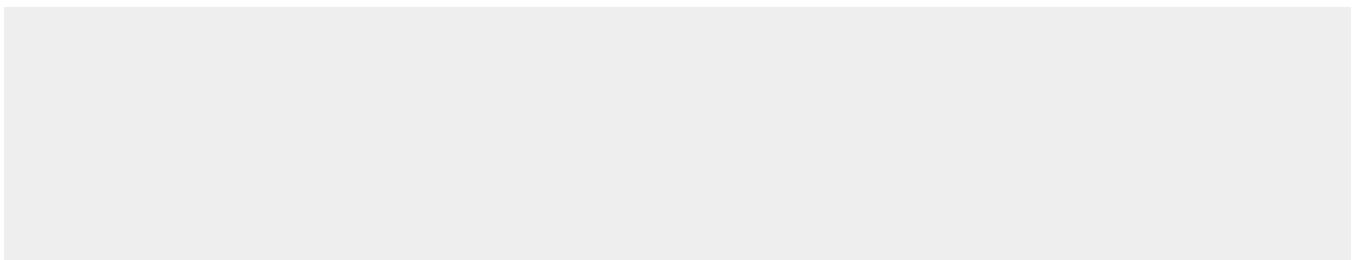
Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:2463100).
Detected on blood B cells (at protein level) (PubMed:16672701, PubMed:2463100)

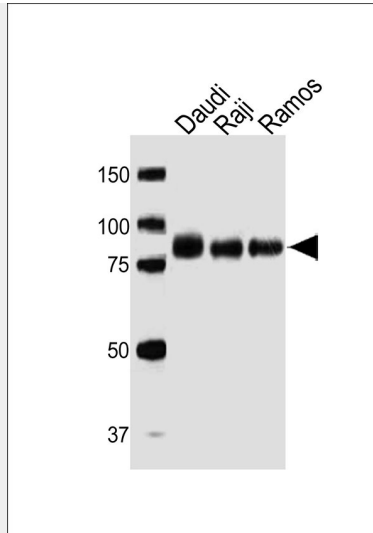
CD19 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD19 Antibody (C-term) - Images





All lanes : Anti-CD19 Antibody (C-term)(AW5355) at 1/1000 dilution Lane 1: Daudi whole cell lysates Lane 2: Raji whole cell lysates Lane 3: Ramos whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 95 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

CD19 Antibody (C-term) - Background

Assembles with the antigen receptor of B-lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

CD19 Antibody (C-term) - References

- Stamenkovic I., et al. *J. Exp. Med.* 168:1205-1210(1988).
- Tedder T.F., et al. *J. Immunol.* 143:712-717(1989).
- Kozmik Z., et al. *Mol. Cell. Biol.* 12:2662-2672(1992).
- Zhou L.J., et al. *Immunogenetics* 35:102-111(1992).
- Kuroki K., et al. *Genes Immun.* 3:S21-S30(2002).