

**CD19 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20806c**

**Specification**

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**CD19 Antibody (C-term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB,E                   |
| Primary Accession | <a href="#">P15391</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | Rabbit IgG             |

**CD19 Antibody (C-term) - Additional Information**

**Gene ID** 930

**Other Names**

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

**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.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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

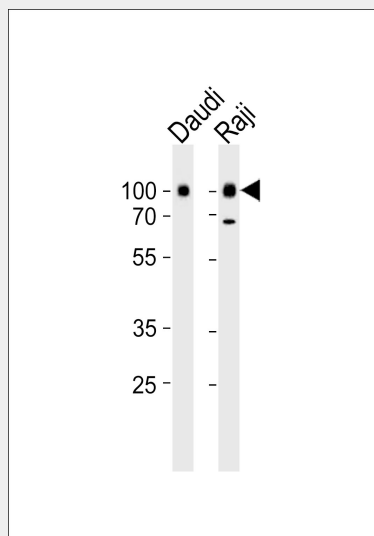
Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:[2463100](#)).  
Detected on blood B cells (at protein level) (PubMed:[16672701](#), PubMed:[2463100](#))

### CD19 Antibody (C-term) - Protocols

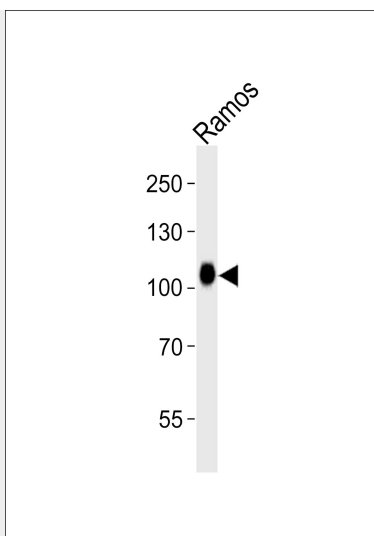
Provided below are standard protocols that you may find useful for product applications.

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

### CD19 Antibody (C-term) - Images



Western blot analysis of lysates from Daudi, Raji cell line (from left to right), using CD19 Antibody (C-term)(Cat. #AP20806c). AP20806c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Western blot analysis of lysate from Ramos cell line, using CD19 Antibody (C-term)(Cat. #AP20806c). AP20806c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.

#### **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).