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

Specification

CD19 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P15391
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}

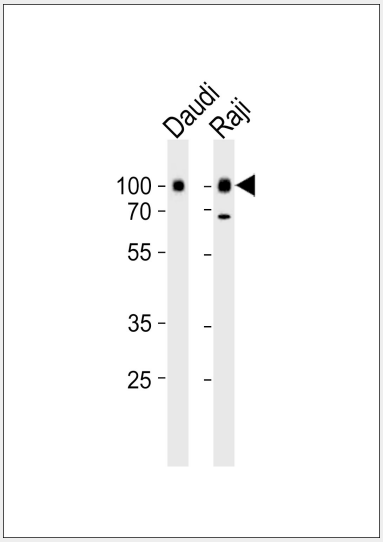
Tissue Location
Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:2463100). Detected on blood B cells (at protein level) (PubMed:16672701, PubMed:2463100)

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 Cytomety
- 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.

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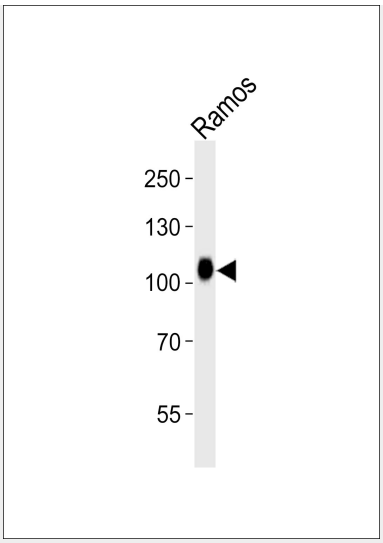

Western blot analysis of lysate from Ramos cell line, using CD19 Antibody (C-term)(Cat. #AP20806c). AP20806c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.

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

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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).