

CD19 Polyclonal Antibody
Catalog # AP68918**Specification**

CD19 Polyclonal Antibody - Product Information

Application	WB, IF
Primary Accession	P15391
Reactivity	Human, Mouse, Monkey
Host	Rabbit
Clonality	Polyclonal

CD19 Polyclonal Antibody - Additional Information**Gene ID** 930**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CD19 Polyclonal Antibody - Protein Information**Name** CD19**Function**

Functions as a coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes (PubMed:<<http://www.uniprot.org/citations/29523808>>29523808). Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens (PubMed:<<http://www.uniprot.org/citations/1373518>" target="_blank">1373518, PubMed:<<http://www.uniprot.org/citations/16672701>" target="_blank">16672701, PubMed:<<http://www.uniprot.org/citations/2463100>" target="_blank">2463100). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed:<<http://www.uniprot.org/citations/12387743>" target="_blank">12387743, PubMed:<<http://www.uniprot.org/citations/16672701>" target="_blank">16672701, PubMed:<<http://www.uniprot.org/citations/9317126>" target="_blank">9317126, PubMed:<<http://www.uniprot.org/citations/9382888>" target="_blank">9382888). Is not required for early steps during B cell differentiation in the blood marrow (PubMed:<<http://www.uniprot.org/citations/9317126>" target="_blank">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

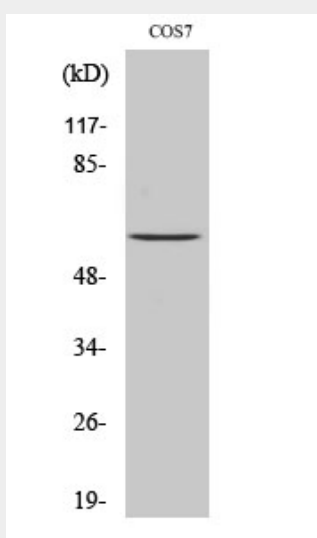
Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:2463100).
Detected on blood B cells (at protein level) (PubMed:16672701, PubMed:2463100)

CD19 Polyclonal Antibody - 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 Polyclonal Antibody - Images



CD19 Polyclonal Antibody - Background

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