

CD19 (phospho Tyr531) Polyclonal Antibody

Catalog No: YP0295

Reactivity: Human; Mouse; Monkey

Applications: WB;ELISA

Target: CD19

Fields: >>PI3K-Akt signaling pathway;>>Hematopoietic cell lineage;>>B cell receptor

signaling pathway;>>Epstein-Barr virus infection;>>Primary immunodeficiency

Gene Name: CD19

Protein Name: B-lymphocyte antigen CD19

P15391

P25918

Human Gene Id: 930

Human Swiss Prot

No:

Mouse Gene Id: 12478

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

CD19 around the phosphorylation site of Tyr531. AA range:501-550

Specificity: Phospho-CD19 (Y531) Polyclonal Antibody detects endogenous levels of CD19

protein only when phosphorylated at Y531.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

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Concentration: 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:**

Observed Band: 61kD

Cell Pathway: Hematopoietic cell lineage; B_Cell_Antigen; Primary immunodeficiency;

Lymphocytes proliferate and differentiate in response to various concentrations **Background:**

> of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen

receptor-dependent stimulation. [provided by RefSeq, Jul 2008],

Function: disease: Defects in CD19 are a cause of hypogammaglobulinemia

> [MIM:107265]..function:Assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation., online information:CD19 mutation db,PTM:Phosphorylated on serine and threonine upon DNA damage, probably by ATM or ATR. Phosphorylated on tyrosine following B-

cell activation., similarity: Contains 2 Ig-like C2-type (immunoglobulin-like) domains., subunit: Forms a complex with CD21, CD81 and CD225 in the

membrane of mature B cells. Interacts with VAV. Interacts with GRB2 and SOS when phosphorylated on Tyr-348 and/or Tyr-378. Interacts with PLCG2 when

phosphorylated on Tyr-409.,

Subcellular

Cell membrane; Single-pass type I membrane protein. Membrane raft; Singlepass type I membrane protein. Location:

Expression: Detected on marginal zone and germinal center B cells in lymph nodes

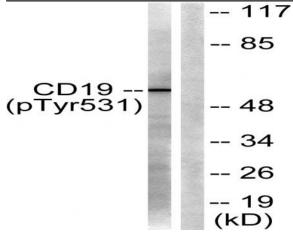
(PubMed:2463100). Detected on blood B cells (at protein level)

(PubMed:2463100, PubMed:16672701).

Products Images

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Western blot analysis of lysates from COS7 cells treated with Serum 10% 30', using CD19 (Phospho-Tyr531) Antibody. The lane on the right is blocked with the phospho peptide.