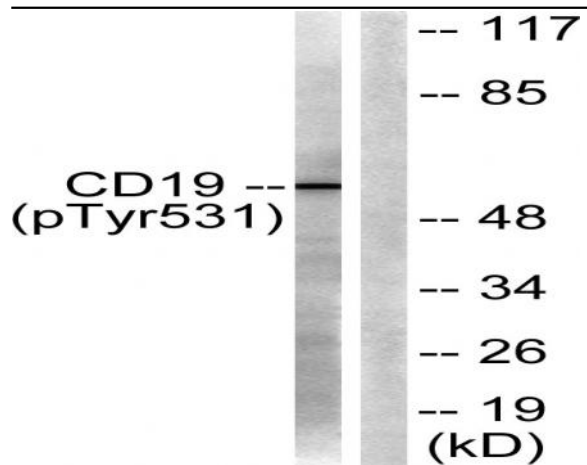


CD19 (phospho Tyr531) Polyclonal Antibody

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
Human Gene Id :	930
Human Swiss Prot No :	P15391
Mouse Gene Id :	12478
Mouse Swiss Prot No :	P25918
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.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	61kD
Cell Pathway :	Hematopoietic cell lineage;B_Cell_Antigen;Primary immunodeficiency;
Background :	Lymphocytes proliferate and differentiate in response to various concentrations 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 Location :	Cell membrane ; Single-pass type I membrane protein . Membrane raft ; Single-pass type I membrane protein .
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



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.