

CD19 (Phospho Tyr500) Rabbit pAb

CatalogNo: YP1837

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- IHC, WB

MW

- 61kD (Observed)

Storage

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

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

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human CD19 (Phospho Tyr500)

Specificity This antibody detects endogenous levels of CD19 (Phospho Tyr500) Rabbit pAb at Human, Mouse. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): QSyED

Target Information

Gene name CD19

Protein Name B-lymphocyte antigen CD19 (B-lymphocyte surface antigen B4) (Differentiation antigen CD19) (T-cell surface antigen Leu-12) (CD antigen CD19)

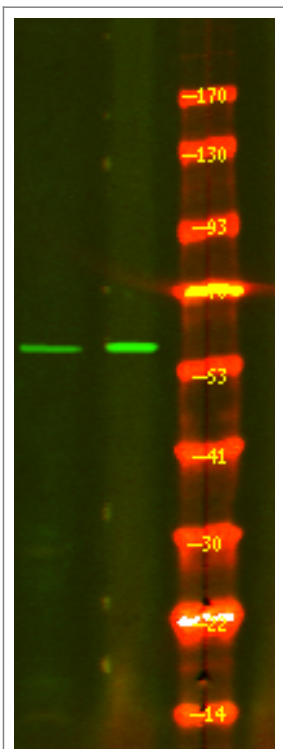
Organism	Gene ID	UniProt ID
Human	930 ;	P15391 ;
Mouse	12478 ;	P25918 ;

Cellular Localization Cell membrane ; Single-pass type I membrane protein . Membrane raft ; Single-pass type I membrane protein .

Tissue specificity 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) .

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. ,

Validation Data



Western Blot analysis of mouse brain Jurkat cell ,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

| Contact information

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CD19 (Phospho Tyr500) Rabbit pAb

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