

**CD19 rabbit pAb****Cat#: orb767185 (Manual)**

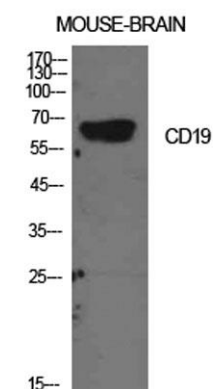
For research use only. Not intended for diagnostic use.

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | CD19 rabbit pAb   |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;Flow Cyt;IHC;IF;ELISA  |
| <b>Species Cross-Reactivity</b> | Human;Rat;Mouse;  |
| <b>Recommended dilutions</b>    | WB 1:500-2000;Flow Cyt 1:50-200;IHC-p 1:100-500;IF(paraffin section);ELISA 1:5000-20000                                     |
| <b>Immunogen</b>                | Synthesized peptide derived from B-lymphocyte antigen CD19 at AA range: 191-240   |
| <b>Specificity</b>              | CD19 Polyclonal Antibody detects endogenous levels of CD19 protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | B-lymphocyte antigen CD19   |
| <b>Gene Name</b>                | CD19  |
| <b>Cellular localization</b>    | Cell membrane ; Single-pass type I membrane protein . Membrane raft ; Single-pass type I membrane protein .                 |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using       epitope-specific immunogen. |
| <b>Clonality</b>                | Polyclonal  |

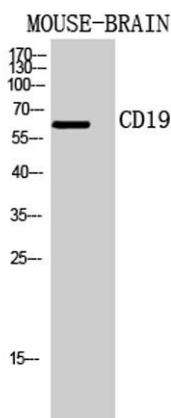
|                                |   |
|--------------------------------|---|
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Observed band</b>           | 61kD  |
| <b>Human Gene ID</b>           | 930   |
| <b>Human Swiss-Prot Number</b> | P15391  |
| <b>Alternative Names</b>       | CD19; B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4; Differentiation antigen CD19; T-cell surface antigen Leu-12; CD19 |

### Background

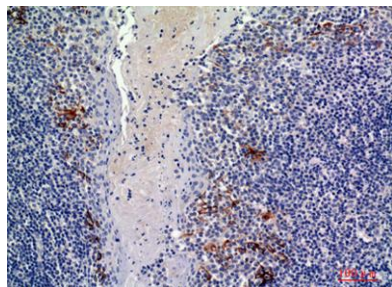
Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule 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],



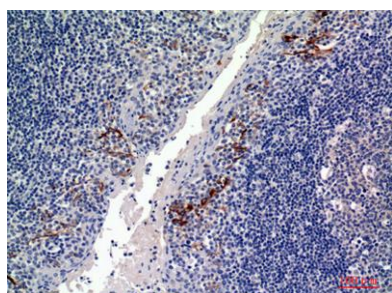
**Western Blot analysis of mouse brain cells using CD19 Polyclonal Antibody. Antibody was diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**



**Western Blot analysis of MOUSE-BRAIN cells using CD19 Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**



**Immunohistochemical analysis of paraffin-embedded human-tonsils, antibody was diluted at 1:100**



**Immunohistochemical analysis of paraffin-embedded human-tonsils, antibody was diluted at 1:100**