

## **CD20 Antibody**

Rabbit mAb Catalog # AP90208

# **Specification**

## **CD20 Antibody - Product Information**

Application WB, IHC, FC **Primary Accession** P11836 Clonality **Monoclonal** 

**Other Names** 

B1; S7; Bp35; CD20; MS4A2; LEU-16; MS4A1

Isotype Rabbit IgG Host **Rabbit** Calculated MW 33077 Da

## **CD20 Antibody - Additional Information**

Purification **Affinity-chromatography** 

**Immunogen** A synthesized peptide derived from human

**CD20** 

Description This protein may be involved in the regulation of B-cell activation and

proliferation. CD20 (MS4A1,

membrane-spanning 4-domains, subfamily

A, member 1) is a member of the membrane-spanning 4A gene family.

Members of this nascent protein family are

characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and

nonlymphoid tissues.

Rabbit IgG in phosphate buffered saline, Storage Condition and Buffer

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

## **CD20 Antibody - Protein Information**

Name MS4A1

Synonyms CD20

# **Function**

B-lymphocyte-specific membrane protein that plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes (PubMed:<a href="http://www.uniprot.org/citations/12920111" target="\_blank">12920111</a>, PubMed:<a



href="http://www.uniprot.org/citations/3925015" target="\_blank">3925015</a>, PubMed:<a href="http://www.uniprot.org/citations/7684739" target="\_blank">7684739</a>). Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by the B-cell receptor/BCR (PubMed:<a href="http://www.uniprot.org/citations/12920111" target="\_blank">12920111</a>, PubMed:<a href="http://www.uniprot.org/citations/18474602" target="\_blank">18474602</a>, PubMed:<a href="http://www.uniprot.org/citations/7684739" target=" blank">7684739</a>).

# **Cellular Location**

Cell membrane; Multi-pass membrane protein. Cell membrane; Lipid-anchor. Note=Constitutively associated with membrane rafts.

#### **Tissue Location**

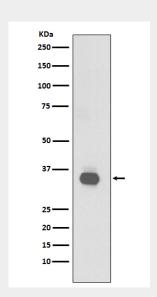
Expressed on B-cells.

# **CD20 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# CD20 Antibody - Images



Western blot analysis of CD20 expression in Raji cell lysate.