



CD21 (ANT0041R) Rabbit mAb

CatalogNo: ANT8280 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit

MW

- 113kD (Calculated)
155kD (Observed)

Reactivity

- Human,Mouse,Rat,

Isotype

- IgG,Kappa

Applications

- WB,IHC,IF,IP,ELISA

Recommended Dilution Ratios

IHC 1:1000-1:4000

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

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

Basic Information

Clonality Monoclonal

Clone Number ANT0041R

Target Information

Endogenous

Gene name

CR2

Protein Name

Complement receptor type 2

Organism	Gene ID	UniProt ID
Human	1380 ;	P20023 ;
Mouse		P19070 ;

Cellular
Localization

Membrane

Tissue specificity

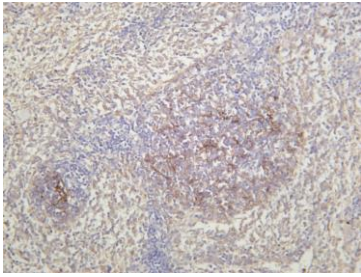
Mature B-lymphocytes, T-lymphocytes, pharyngeal epithelial cells, astrocytes and follicular dendritic cells of the spleen.

Function

Disease:Genetic variations in CR2 are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9) [MIM:610927]. Systemic lupus erythematosus (SLE) is a chronic autoimmune disease with a complex genetic basis. SLE is an inflammatory, and often febrile multisystemic disorder of connective tissue characterized principally by involvement of the skin, joints, kidneys, and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.,Function:Receptor for complement C3Dd, for the Epstein-Barr virus on human B-cells and T-cells and for HNRPU. Participates in B lymphocytes activation.,similarity:Belongs to the receptors of complement activation (RCA) family.,similarity:Contains 15 Sushi (CCP/SCR) domains.,tissue specificity:Mature B-lymphocytes, T-lymphocytes, pharyngeal epithelial cells, astrocytes and follicular dendritic cells of the spleen.,

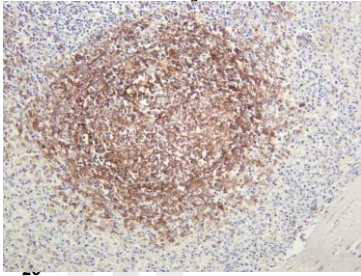
Validation Data

Rat spleen was stained with anti-CD21 (ANT0041R) rabbit antibody

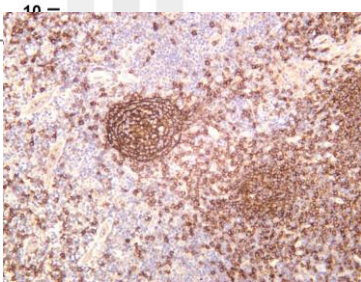


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD21 (ANT0041R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Raji Lane 2: Daudi Lane 3: Mouse Spleen Predicted band size: 113kDa Observed band size: 155kDa

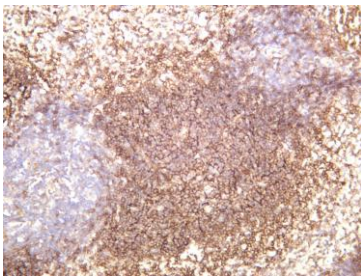
Human spleen was stained with anti-CD21 (ANT0041R) rabbit antibody



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Human tonsil was stained with anti-CD21 (ANT0041R) rabbit antibody



Mouse spleen was stained with anti-CD21 (ANT0041R) rabbit antibody

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