

CD43 (ANT0040R) Rabbit mAb

CatalogNo: ANT8361 **Recombinant** 

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

Host Species

- Rabbit
- Human,
- WB,IHC,IF,IP,ELISA

Reactivity

Applications

MW

- 40kD (Calculated)
 - IgG,Kappa
- 130kD (Observed)

Isotype

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

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 ANT0040R

Target Information

Immunogen Information Specificity

Endogenous

Gene name SPN CD43

Protein Name Leukosialin (GPL115) (Galactoglycoprotein) (GALGP) (Leukocyte sialoglycoprotein) (Sialophorin) (CD antigen CD43) [Cleaved into: CD43 cytoplasmic tail (CD43-ct) (CD43ct)]

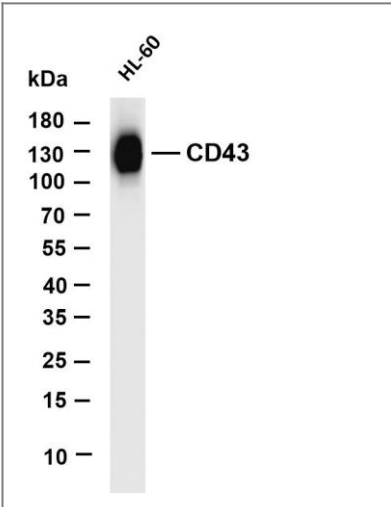
Organism	Gene ID	UniProt ID
Human	6693 ;	P16150 ;
Mouse	20737 ;	P15702 ;
Rat		P13838 ;

Cellular Localization Membrane

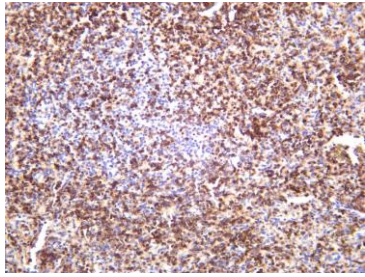
Tissue specificity Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.

Function Disease:CD43 expression is defective on the T-cells of males with the immunodeficiency Wiskott-Aldrich syndrome. Affected males are susceptible to opportunistic infections and do not respond to polysaccharide antigens, reflecting defects in cytotoxic and helper T-cell functions.,Function:One of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter receptor for SN/Siglec-1 (By similarity). During T-cell activation is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.,ANTM:Glycosylated; has a high content of sialic acid and O-linked carbohydrate structures.,subunit:Interacts with HIPK2 via the cytoplasmic domain.,tissue specificity:Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.,

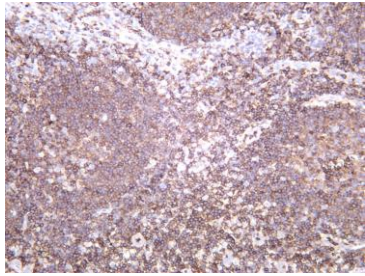
Validation Data



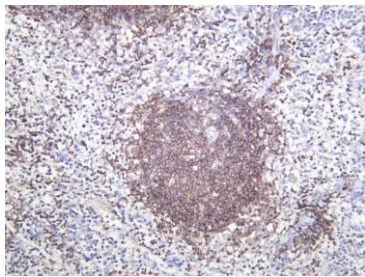
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD43 (ANT0040R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HL-60 Predicted band size: 40kDa Observed band size: 130kDa



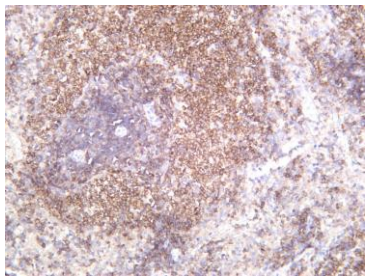
Human spleen was stained with anti-CD43 (ANT0040R) rabbit antibody



Human tonsil was stained with anti-CD43 (ANT0040R) rabbit antibody



Mouse spleen was stained with anti-CD43 (ANT0040R) rabbit antibody



Rat spleen was stained with anti-CD43 (ANT0040R) rabbit antibody

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