

Datasheet for ABIN3042491
anti-CD43 antibody (AA 272-400)

5 Images

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Overview

Quantity:	100 µg
Target:	CD43 (SPN)
Binding Specificity:	AA 272-400
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD43 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Leukosialin(SPAN) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	E.coli-derived human CD43 recombinant protein (Position: A272-P400). Human CD43 shares 72% and 73% amino acid (aa) sequences identity with mouse and rat CD43, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Leukosialin(SPAN) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: sialophorin Protein Name: Leukosialin

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: CD43 (SPN)

Alternative Name: SPN ([SPN Products](#))

Background: CD43, also known as leukosialin or sialophorin, is a transmembrane cell surface protein that in humans is encoded by the SPN gene. It is mapped to 16p11.2. It is a major sialoglycoprotein on the surface of human T lymphocytes, monocytes, granulocytes, and some B lymphocytes, which is important for immune function and may be part of a physiologic ligand-receptor complex involved in T-cell activation. Expression of CD43 is deficient and/or defective in the X-chromosome-linked immunodeficiency disorder Wiscott-Aldrich syndrome, suggesting that CD43 have a role in T-cell activation. T-cell activation requires the removal of CD43 from the immunologic synapse to allow efficient engagement of the TCR with molecules on the APC.

Synonyms: CD 43 antibody|CD43 antibody|CD43 antigen antibody|Galactoglycoprotein antibody|Galactoglycoprotein antibody|GALGP antibody|GPL 115 antibody|GPL115 antibody|Human gene for sialophorin antibody|Leucocyte sialoglycoprotein antibody|Leucocyte sialoglycoprotein antibody|LEUK_HUMAN antibody|Leukocyte sialoglycoprotein antibody|Leukosialin antibody|LSN antibody|Sialophorin (leukosialin) antibody|Sialophorin antibody|SPN antibody

Gene ID: 6693

UniProt: [P16150](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for CD43 is approximately 0.25 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human
Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Application Details

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

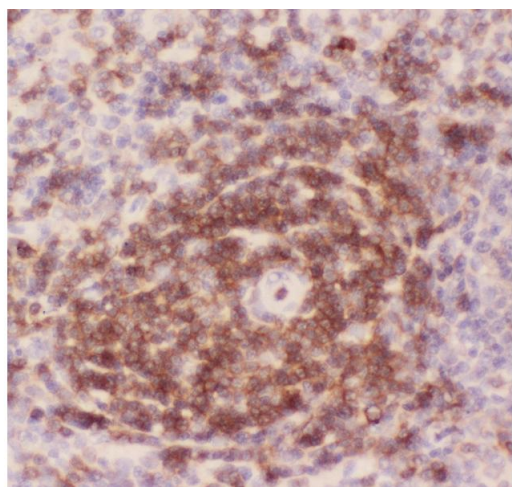
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



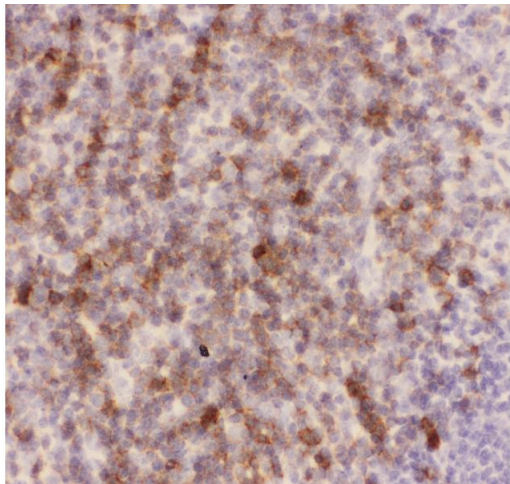
Immunohistochemistry

Image 1. Anti-CD43 Picoband antibody, IHC(P) IHC(P): Rat Spleen Tissue



Western Blotting

Image 2. Anti-CD43 Picoband antibody, Western blotting All lanes: Anti CD43 at 0.5ug/ml WB: Recombinant Human CD43 Protein 0.5ng Predicted bind size: 47KD Observed bind size: 47KD



Immunohistochemistry

Image 3. Anti-CD43 Picoband antibody, IHC(P) IHC(P): Mouse Spleen Tissue

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3042491.