

Product Datasheet

CD21 Antibody (SC0681)

NBP2-67605

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67605

CD21 Antibody (SC0681)

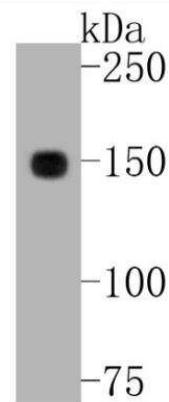
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SC0681
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	1380
Gene Symbol	CR2
Species	Human, Mouse, Monkey
Reactivity Notes	Use in Monkey reported in scientific literature (PMID:34855915) .
Immunogen	Synthetic peptide within Human CD21 aa 989-1033 / 1033. (SwissProt: P20023 Human; SwissProt: P19070 Mouse)

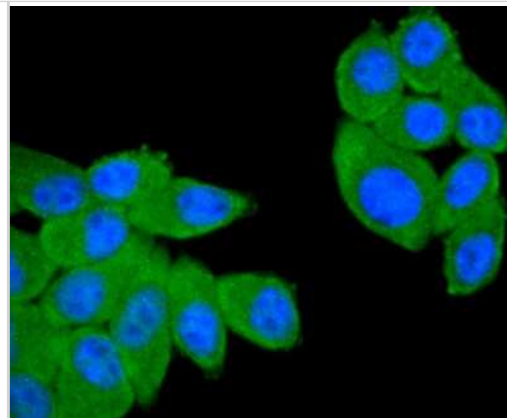
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, In-situ Hybridization
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:800, In-situ Hybridization
Application Notes	Use in In-situ Hybridization reported in scientific literature (PMID:34855915)..

Images

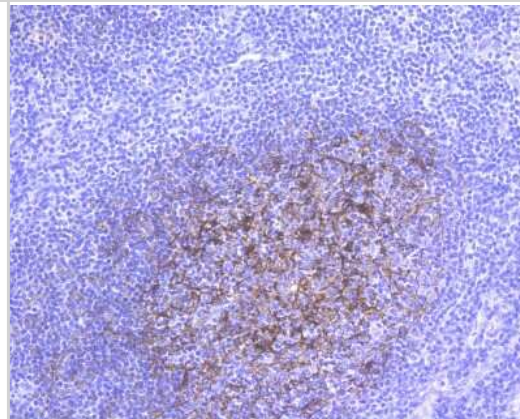
Western Blot: CD21 Antibody (SC0681) [NBP2-67605] - Analysis of CD21 on Daudi celllysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



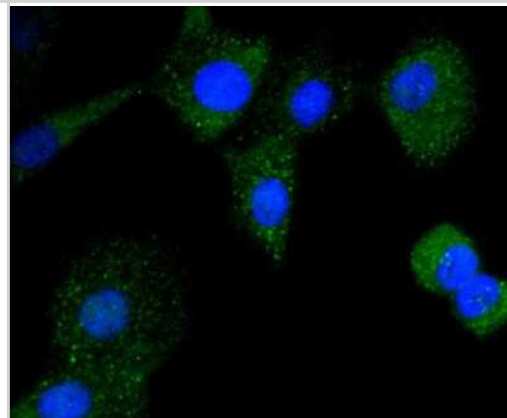
Immunocytochemistry/Immunofluorescence: CD21 Antibody (SC0681) [NBP2-67605] - Staining CD21 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



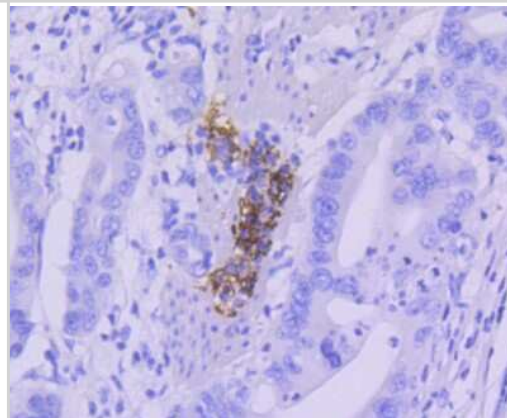
Immunohistochemistry-Paraffin: CD21 Antibody (SC0681) [NBP2-67605] - Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD21 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (ET1610-61, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



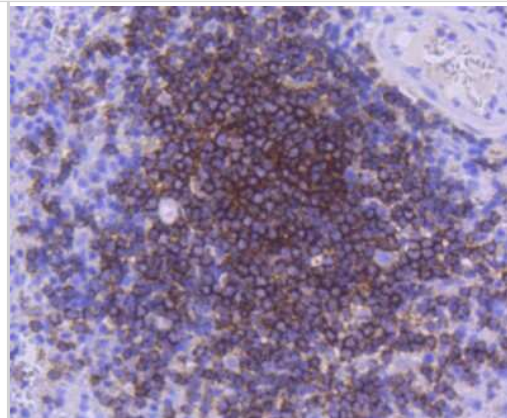
Immunocytochemistry/Immunofluorescence: CD21 Antibody (SC0681) [NBP2-67605] - Staining CD21 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



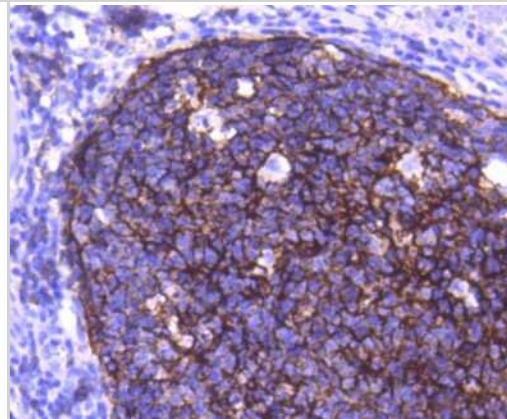
Immunohistochemistry-Paraffin: CD21 Antibody (SC0681) [NBP2-67605] - Analysis of paraffin-embedded human gastric cancer tissue using anti-CD21 antibody. Counter stained with hematoxylin.



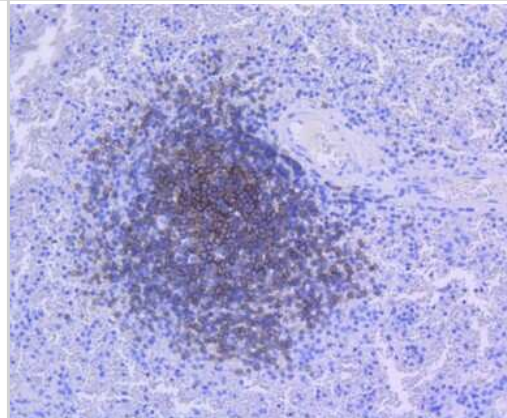
Immunohistochemistry-Paraffin: CD21 Antibody (SC0681) [NBP2-67605]
 - Analysis of paraffin-embedded human spleen tissue using anti-CD21 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: CD21 Antibody (SC0681) [NBP2-67605]
 - Analysis of paraffin-embedded human tonsil tissue using anti-CD21 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: CD21 Antibody (SC0681) [NBP2-67605]
 - Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD21 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (ET1610-61, 1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Publications

Broeckel RM, Feldmann F, McNally KL et al. A pigtailed macaque model of Kyasanur Forest disease virus and Alkhurma hemorrhagic disease virus pathogenesis PLoS pathogens 2021-12-01 [PMID: 34855915] (ISH, Monkey)



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Products Related to NBP2-67605

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-77494-0.05mg	Recombinant Human CD21 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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