

Product Datasheet

CD34 Antibody (SI16-01)

NBP2-67399

Unit Size: 100 ul

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

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NBP2-67399

CD34 Antibody (SI16-01)

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	SI16-01
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	120 kDa

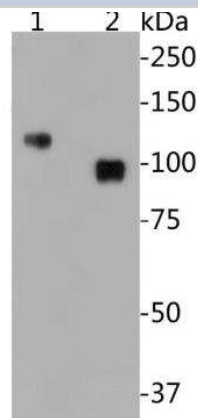
Product Description	
Description	Novus Biologicals Rabbit CD34 Antibody (SI16-01) (NBP2-67399) is a recombinant monoclonal antibody validated for use in Multiplex Immunofluorescence, IHC, WB, ICC/IF and IP. Anti-CD34 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	947
Gene Symbol	CD34
Species	Human, Mouse, Rat, Canine
Immunogen	Synthetic peptide within Human CD34 aa 336-385 / 385. (SwissProt: P28906 Human; SwissProt: Q64314 Mouse; Unigene: 219720 Rat)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Multiplex Immunofluorescence
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:50-1:100, Immunoprecipitation, Immunohistochemistry-Paraffin 1:200-1:400, Multiplex Immunofluorescence 1:1000
Application Notes	IP: Use at an assay dependent concentration.

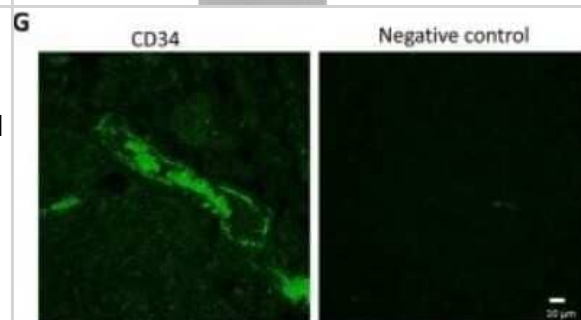


Images

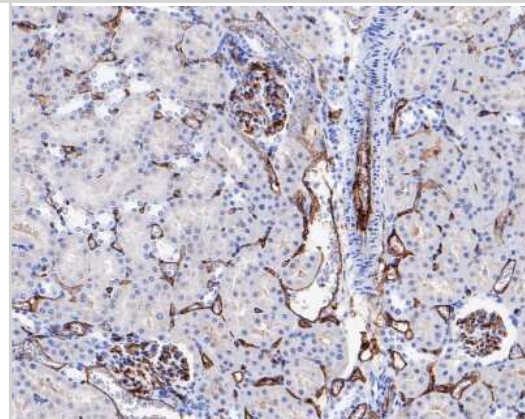
Western Blot: CD34 Antibody (SI16-01) [NBP2-67399] - Analysis of CD34 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: TF-1 cell lysate Lane 2: Mouse lung tissue lysate



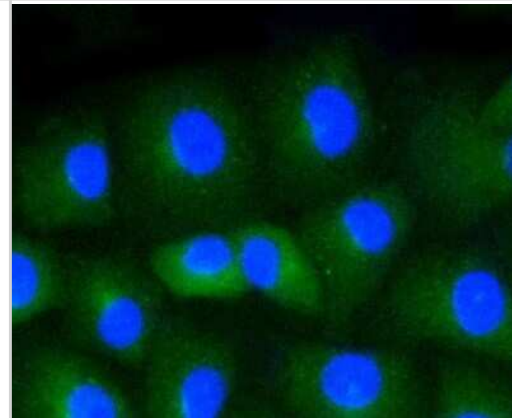
Immunocytochemistry/Immunofluorescence: CD34 Antibody (SI16-01) [NBP2-67399] - (G) CD34 + microvascular staining in EOC tissue. Correlation between HE4 serum levels and CD34 + area in patient EOC tissue (n = 14). **p < 0.005, ****p < 0.0005. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-020-65353-x>), licensed under a CC-BY license.



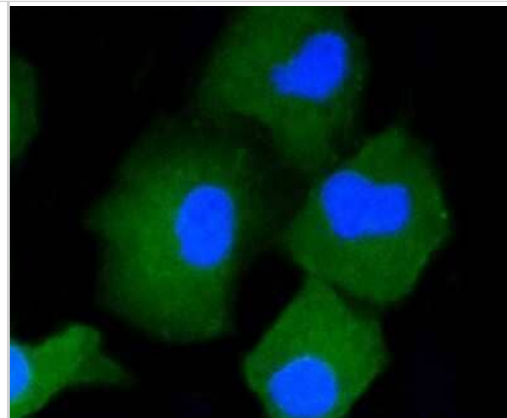
Immunohistochemistry-Paraffin: CD34 Antibody (SI16-01) [NBP2-67399] - Analysis of paraffin-embedded rat kidney tissue with Rabbit anti-CD34 antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



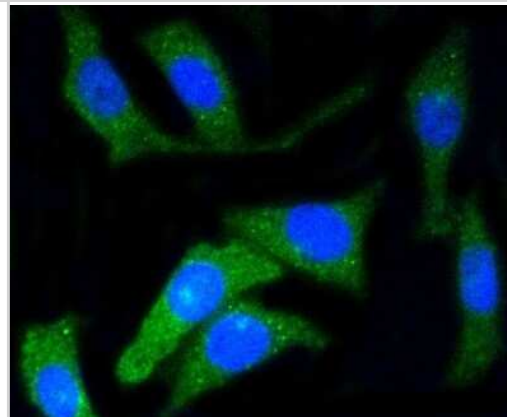
Immunocytochemistry/Immunofluorescence: CD34 Antibody (SI16-01) [NBP2-67399] - Staining CD34 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



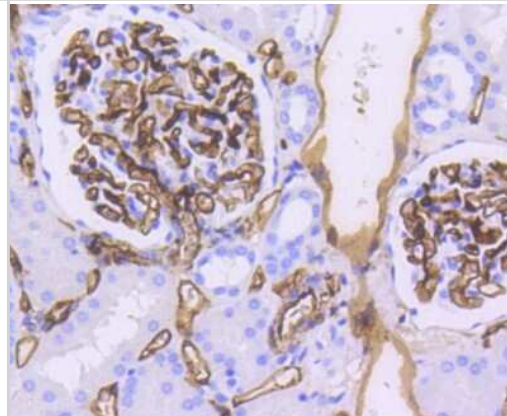
Immunocytochemistry/Immunofluorescence: CD34 Antibody (SI16-01) [NBP2-67399] - Staining CD34 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



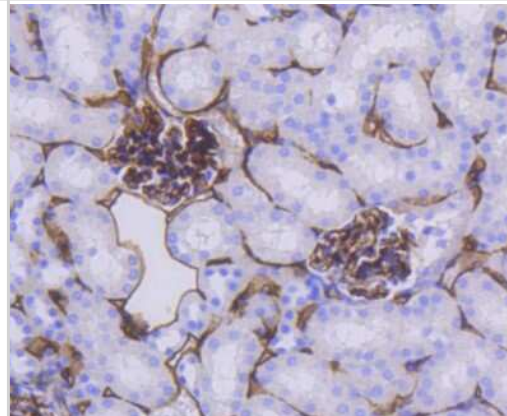
Immunocytochemistry/Immunofluorescence: CD34 Antibody (SI16-01) [NBP2-67399] - Staining CD34 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



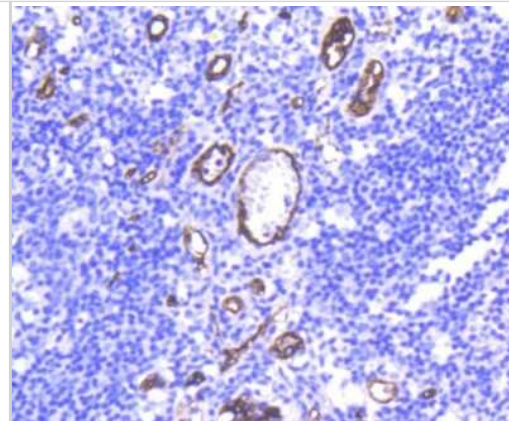
Immunohistochemistry-Paraffin: CD34 Antibody (SI16-01) [NBP2-67399] - Analysis of paraffin-embedded human kidney tissue using anti-CD34 antibody. Counter stained with hematoxylin.



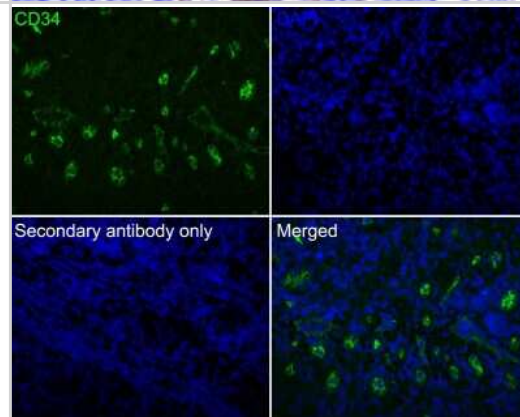
Immunohistochemistry-Paraffin: CD34 Antibody (SI16-01) [NBP2-67399] - Analysis of paraffin-embedded mouse kidney tissue using anti-CD34 antibody. Counter stained with hematoxylin.



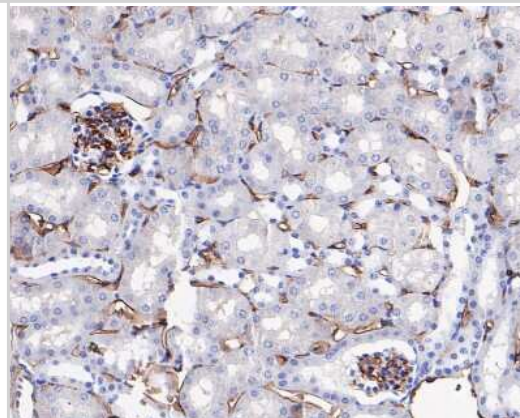
Immunohistochemistry-Paraffin: CD34 Antibody (SI16-01) [NBP2-67399]
- Analysis of paraffin-embedded human tonsil tissue using anti-CD34 antibody. Counter stained with hematoxylin.



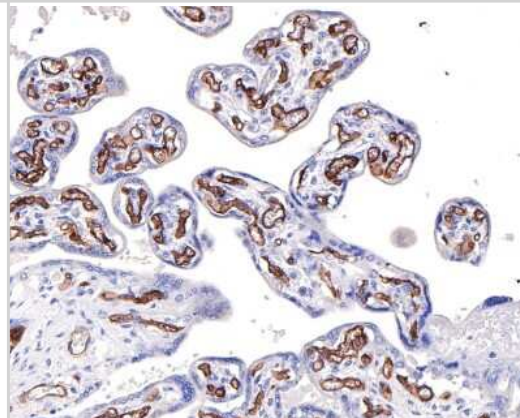
Immunohistochemistry-Paraffin: CD34 Antibody (SI16-01) [NBP2-67399]
- Analysis of paraffin-embedded human tonsil tissue labeling CD34 with Rabbit anti-CD34 antibody washed with PBS, and then probed with the primary antibody green) at 1/50 dilution overnight at 4 , washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor(TM) 488, HA1121) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



Immunohistochemistry-Paraffin: CD34 Antibody (SI16-01) [NBP2-67399]
- Analysis of paraffin-embedded mouse kidney tissue with Rabbit anti-CD34 antibody washed with ddH2O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour 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.



Immunohistochemistry-Paraffin: CD34 Antibody (SI16-01) [NBP2-67399]
- Analysis of paraffin-embedded human placenta tissue with Rabbit anti-CD34 antibody washed with ddH2O and PBS, and then probed with the primary antibody at 1/400 dilution for 1 hour 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

James NE, Emerson JB, Borgstadt AD et al. The biomarker HE4 (WFDC2) promotes a pro-angiogenic and immunosuppressive tumor microenvironment via regulation of STAT3 target genes Sci Rep 2020-05-22 [PMID: 32444701] (ICC/IF, Human)



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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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