

For Research Use Only

# CD34 Polyclonal antibody

Catalog Number: 31120-1-AP

1 Publications



## Basic Information

Catalog Number:

31120-1-AP

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_133654

GeneID (NCBI):

12490

UNIPROT ID:

Q64314

Full Name:

CD34 antigen

Calculated MW:

41 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC: 1:500-1:2000

## Applications

Tested Applications:

IHC, ELISA

Cited Applications:

IF

Species Specificity:

Mouse

Cited Species:

human

Positive Controls:

IHC : mouse spleen tissue, mouse kidney tissue,  
mouse testis tissue

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

## Background Information

CD34 is a 105- to 120-kDa glycoposphoprotein expressed on the majority of hematopoietic stem/progenitor cells, bone marrow stromal cells, capillary endothelial cells, embryonic fibroblasts, and some nerve tissue. CD34 is a commonly used marker for identifying human hematopoietic stem/progenitor cells and mediates cell adhesion and lymphocyte homing by binding L-selectin and E-selectin ligands. CD34 is also one of the best negative selection markers for characterizing and/or isolating human MSCs from bone marrow and other sources. Along with other positive selection markers (such as CD29, CD44, CD90, CD105 and CD166), negative selection markers (such as CD34 and CD45) are used for MSC identification.

## Notable Publications

Author	Pubmed ID	Journal	Application
Rui Xu	40529191	Bioact Mater	IF

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

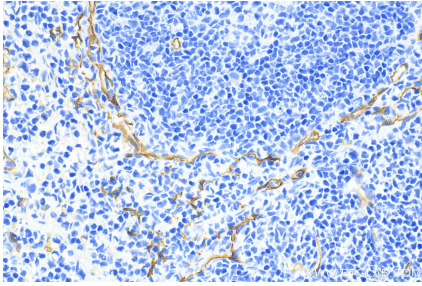
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

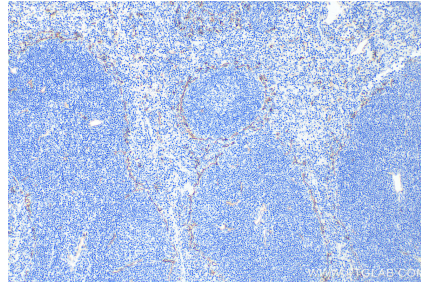
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 31120-1-AP (CD34 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 31120-1-AP (CD34 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).