

CD34

Polyclonal ANTIBODY

Catalog Number: 14486-1-AP

14 Publications

Basic Information

Catalog Number:
14486-1-AP

Size:
37 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AC6887

GenBank Accession Number:
BC039146

GeneID (NCBI):
947

Full Name:
CD34 molecule

Calculated MW:
41 kDa

Observed MW:
105-120 kDa

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:300-1:1200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

cattle, human

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

Positive Controls:

WB : HL-60 cells;

IHC : human tonsillitis tissue; human small intestine tissue; human gliomas tissue; human hysterosyoma tissue; human liver cancer tissue

Background Information

CD34 is a 105- to 120-kDa glycoprophosphoprotein 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. This antibody 14486-1-AP is raised against 33-286 amino acids of full protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Bingling Dai	27460008	Oncol Rep	
Chaojun Qi	26431044	PLoS One	IF
Yongli Yue	29192407	In Vitro Cell Dev Biol Anim	IF

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this

product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

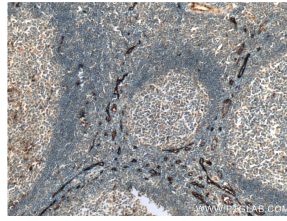
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

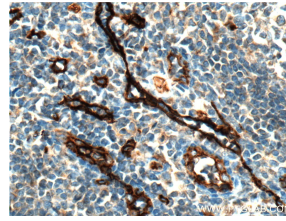
Selected Validation Data



HL-60 cells were subjected to SDS PAGE followed by western blot with 14486-1-AP(CD34 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14486-1-AP(CD34 antibody) at dilution of 1:600 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14486-1-AP(CD34 antibody) at dilution of 1:600 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).