

Datasheet for ABIN658983  
**anti-CD34 antibody (AA 185-214)**



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## Overview

Quantity:	400 µL
Target:	CD34
Binding Specificity:	AA 185-214
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This CD34 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 185-214 amino acids from the Central region of human CD34.
Clone:	132CT29-1-5
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

## Target Details

Target:	CD34
Alternative Name:	CD34 ( <a href="#">CD34 Products</a> )
Background:	CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells.

## Target Details

Molecular Weight:	40716
Gene ID:	947
NCBI Accession:	<a href="#">NP_001020280</a> , <a href="#">NP_001764</a>
UniProt:	<a href="#">P28906</a>

## Application Details

Application Notes:	IHC: 1:1000. WB: 1:1000. IHC-P-Leica: 1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

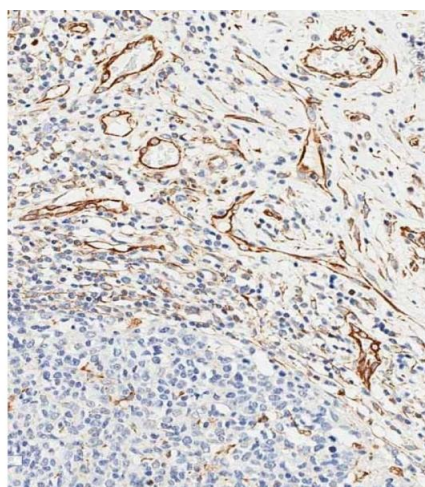
## Publications

Product cited in:	<p>Yang, Yang, Li, Liu, Zou, Yuan, Xu: "Overexpression of FZD1 and CAIX are Associated with Invasion, Metastasis, and Poor-Prognosis of the Pancreatic Ductal Adenocarcinoma." in: <b>Pathology oncology research : POR</b>, Vol. 24, Issue 4, pp. 899-906, (2018) (<a href="#">PubMed</a>).</p> <p>Zheng, Ma, Sun, Yin, Lin, Liu, Xu, Zeng: "Butaselen prevents hepatocarcinogenesis and progression through inhibiting thioredoxin reductase activity." in: <b>Redox biology</b>, Vol. 14, pp. 237-249, (2018) (<a href="#">PubMed</a>).</p> <p>Wang, Huang, Zheng, Wang, Li, Zhang, Yang: "Concurrent chemoradiotherapy with low-dose docetaxel inhibits the growth of DU-145 prostate cancer xenografts." in: <b>Clinical &amp; translational</b></p>
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**oncology : official publication of the Federation of Spanish Oncology Societies and of the National Cancer Institute of Mexico**, Vol. 16, Issue 6, pp. 567-72, (2014) ([PubMed](#)).

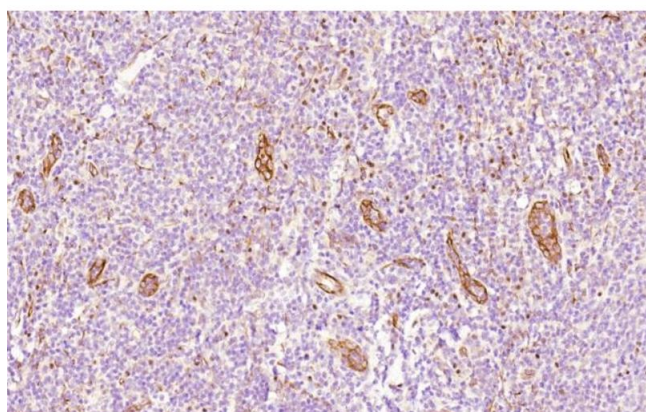
Liu, Wang, Kwong, Lui, Friedman, Li, Lam, Zhang, Zhang, Ye: "Inhibition of PDGF, TGF- $\beta$ , and Abl signaling and reduction of liver fibrosis by the small molecule Bcr-Abl tyrosine kinase antagonist Nilotinib." in: **Journal of hepatology**, Vol. 55, Issue 3, pp. 612-25, (2011) ([PubMed](#)).

## Images



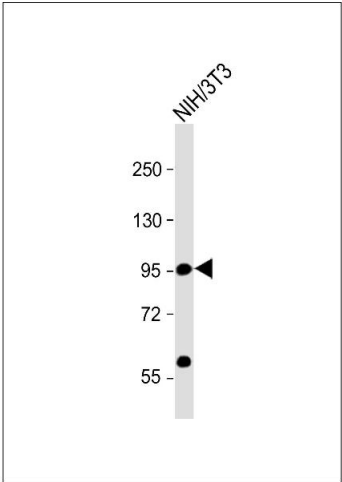
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemical analysis of paraffin-embedded human appendix tissue using (ABIN658983 and ABIN2838032) performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH 9.0). Samples were incubated with primary antibody (1:1000) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded Human tonsil section using Pink1 (ABIN658983 and ABIN2838032). (ABIN658983 and ABIN2838032) was diluted at 1:1000 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



### Western Blotting

**Image 3.** "Anti-CD34 Antibody (Center) at 1:1000 dilution + NIH/3T3 whole cell lysate Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40716 Da Blocking/Dilution buffer: 5 % NFDM/TBST."