

Datasheet for ABIN3022924
anti-CD31 antibody (AA 130-230)



[Go to Product page](#)

3 Images

2 Publications

Overview

Quantity:	100 µL
Target:	CD31 (PECAM1)
Binding Specificity:	AA 130-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD31 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 130-230 of human CD31/PECAM1 (NP_000433.4).
Sequence:	VPSPRVTLTK KEAIQGGIVR VNCSVPEEKA PIHFTIEKLE LNEKMKVLKR EKNSRDQNFV ILEFPVEEQD RVLSFRCQAR IISGIHMQTS ESTKSELVTV T
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CD31 (PECAM1)
Alternative Name:	PECAM1 (PECAM1 Products)
Background:	The protein encoded by this gene is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation.,CD31,CD31/EndoCAM,PECA1,PECAM-1,endoCAM,PECAM1,Cancer,Tumor immunology,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental Biology,Cell Adhesion,Cell Adhesion Molecules,Cytoskeleton,Immunology & Inflammation,CD markers,Stem Cells,Hematopoietic Progenitors,Mesenchymal Stem Cells,Cardiovascular,Angiogenesis,Blood,PECAM1
Molecular Weight:	79 kDa/80 kDa/81 kDa/82 kDa
Gene ID:	5175
UniProt:	P16284
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

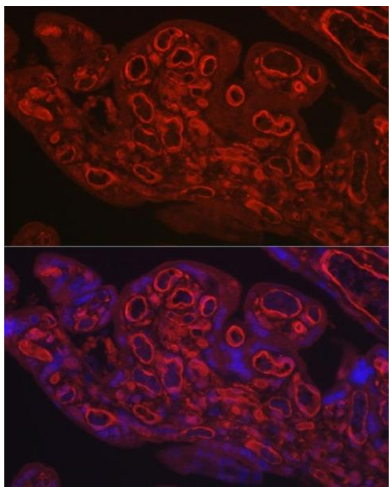
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in: Ruan, Ren, Zhang, Zhu, Xu, Wang: "Cardioprotective Effects of QiShenYiQi Dripping Pills on Transverse Aortic Constriction-Induced Heart Failure in Mice." in: **Frontiers in physiology**, Vol. 9, pp. 324, (2018) ([PubMed](#)).

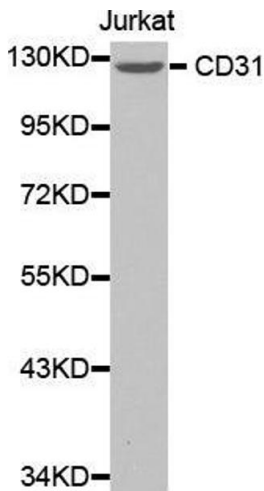
Li, Wu, Yuan, Sun, Lin, Huang, Bin, Liao, Liao: "Long non-coding RNA MALAT1 promotes gastric cancer tumorigenicity and metastasis by regulating vasculogenic mimicry and angiogenesis." in: **Cancer letters**, Vol. 395, pp. 31-44, (2017) ([PubMed](#)).

Images



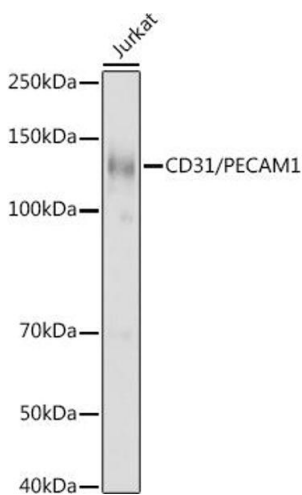
Immunofluorescence

Image 1. Immunofluorescence analysis of human placenta using CD31/PEC Rabbit pAb (ABIN3022923, ABIN3022924, ABIN3022925 and ABIN6219299) at dilution of 1:250 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of Jurkat cell line, using CD31 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of Jurkat cells, using CD31/PEC antibody (ABIN3022923, ABIN3022924, ABIN3022925 and ABIN6219299) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 s.