Datasheet for ABIN6145428

**anti-CD31 antibody**

### Overview

**Quantity:** 100 μL  
**Target:** CD31 (PECAM1)  
**Reactivity:** Human  
**Host:** Rabbit  
**Clonality:** Polyclonal  
**Conjugate:** This CD31 antibody is un-conjugated  
**Application:** Western Blotting (WB), Immunoprecipitation (IP)

### Product Details

**Immunogen:** Recombinant protein of human CD31/PECAM.  
**Isotype:** IgG  
**Cross-Reactivity:** Human, Mouse  
**Characteristics:** Polyclonal Antibodies

### 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
Target Details

activation, PECAM1, CD31, CD31/EndoCAM, GPIIA, PECA1, PECAM-1, endoCAM, 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, IP, 1:50 - 1:200
Comment: HIGH QUALITY
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.
Storage: -20 °C
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Publications


Zhang, Wang, Zeng, Yan, Ouyang, Liu, Sun, Zhao, Fang, Pan, Xie, Yang, Zhang, Bai, Cai: "mTORC1 activation downregulates FGFR3 and PTH/PTHrP receptor in articular chondrocytes..."
Publications


Images

**Immunohistochemistry**

**Image 1.** MiR-185 inhibited the angiogenic effect in the ovaries of PCOS rats. (A) Relative mRNA levels of VEGFA were tested using qRT-PCR. (B-F) The concentrations of VEGFA (B), ANGPT1 (C), ANGPT2 (D), PDGFB (E) and PDGFD (F) were measured by ELISA. (G, H) The immunopositive staining of α-SMA (G) and CD31 (H) were examined with immunohistochemistry. Left panel: Scale bar = 200 μm, Right panel: Scale bar = 50 μm. ***p < 0.001 vs Control. #p < 0.05, ##p < 0.01, ###p < 0.001 vs PCOS + NC. - figure provided by CiteAb. Source: PMID32760272

**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of paraffin-embedded human colon using PECAM1 antibody.
**Western Blotting**

**Image 3.** Western blot analysis of extracts of various cell lines, using PECAM1 antibody.

Please check the product details page for more images. Overall 6 images are available for ABIN6145428.