

Allgemeine Informationen

Katalog-Nr.:
11265-1-AP

Größe:
150ul, Konzentration: 600 µg/ml von
Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG1787

GenBank-Zugangsnummer:
BC022512

GeneID (NCBI):
5175

Vollständiger Name:
platelet/endothelial cell adhesion
molecule

Berechnete Masse:
83 kDa

Beobachtete Masse:
120-130 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:10000

IP 0.5-4.0 µg für IP und 1:200-1:1000
für WB

IHC 1:2000-1:8000

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

Cell treatment, FC, IF, IHC, IP, WB

Getestete Reaktivität:

Human

Zitierte Arten:

Affe, Hausschwein, Human, Hund

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: human peripheral blood platelets, HUVEC-Zellen, Jurkat-Zellen, THP-1-Zellen

IP: Jurkat-Zellen,

IHC: humanes Leberkarzinomgewebe, humanes Gliomgewebe, humanes Leberzirrhosegewebe, humanes Nierengewebe, humanes Nierenzellkarzinomgewebe, humanes Plazenta-Gewebe, humanes Tonsillitisgewebe

IF: humanes Endometriumkarzinomgewebe, humanes Tonsillitisgewebe

Hintergrundinformationen

Platelet endothelial cell adhesion molecule-1 (PECAM-1, CD31) is a member of the immunoglobulin gene superfamily of cell adhesion molecules. CD31 is a transmembrane glycoprotein that is highly expressed on the surface of the endothelium, making up a large portion of its intracellular junctions. PECAM-1 is also present on the surface of hematopoietic cells and immune cells including platelets, monocytes, neutrophils, natural killer cells, megakaryocytes and some types of T-cell (PMID: 9011572). As well as its role in cell-cell adhesion, PECAM-1 functions as a signaling receptor, and is involved in important physiological events such as nitric oxide production, regulation of T-cell immunity and tolerance, leukocyte transendothelial migration and inflammation and angiogenesis (PMID: 21183735; 20978210; 17872453; 20634489).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Qingrong Zhang	34655915	Colloids Surf B Biointerfaces	IHC
Zhou Yang	32993738	J Exp Clin Cancer Res	IHC
Haoyu Guo	36201949	Biomaterials	IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

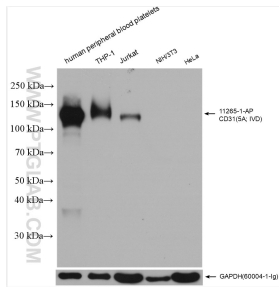
For technical support and original validation data for this product please contact:

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

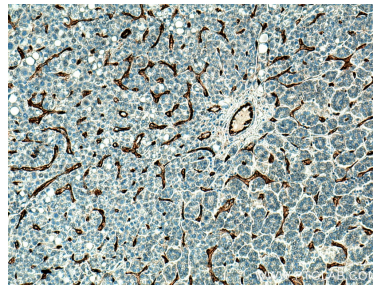
E: proteintech@ptglab.com
W: ptglab.com

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

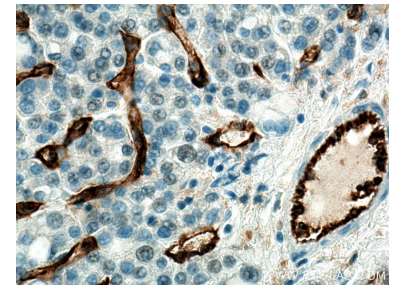
Ausgewählte Validierungsdaten



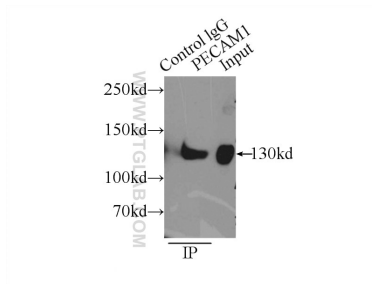
Various lysates were subjected to SDS PAGE followed by western blot with 11265-1-AP (CD31 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



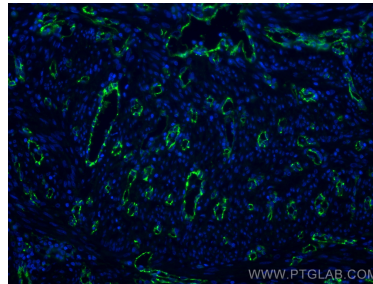
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11265-1-AP (CD31 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



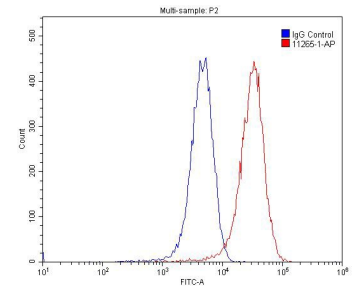
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11265-1-AP (CD31 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-PECAM1,CD31 (IP:11265-1-AP, 5ug; Detection:11265-1-AP 1:300) with Jurkat cells lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed human endometrial cancer tissue using CD31 antibody (11265-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 HUVEC cells were stained with 0.2ug CD31 antibody (11265-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.