

Datasheet for ABIN391674
anti-CD31 antibody (C-Term)



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3 Images

1 Publication

Overview

Quantity:	400 µL
Target:	CD31 (PECAM1)
Binding Specificity:	AA 690-718, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB)

Product Details

Immunogen:	This CD31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 690-718 amino acids from the C-terminal region of human CD31.
Clone:	RB17999
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CD31 (PECAM1)
Alternative Name:	CD31 (PECAM1 Products)
Background:	CD31 is a cell adhesion molecule expressed on platelets and at endothelial cell intercellular junctions.

Target Details

Molecular Weight:	82522
Gene ID:	5175
NCBI Accession:	NP_000433
UniProt:	P16284
Pathways:	Regulation of Actin Filament Polymerization

Application Details

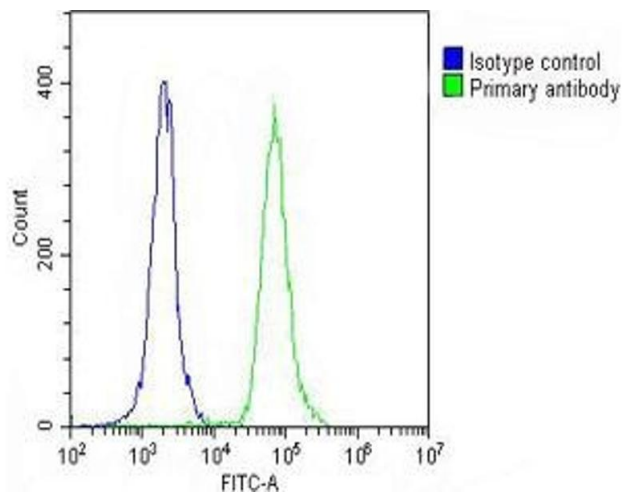
Application Notes:	WB: 1:2000. WB: 1:1000. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal 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

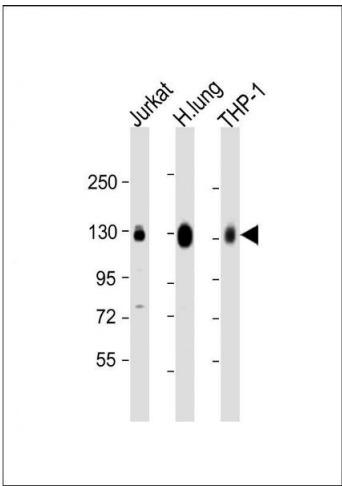
Publications

Product cited in:	Cui, Xu, Song, Zhao, Liu, Song: "Pituitary tumor transforming gene: a novel therapeutic target for glioma treatment." in: Acta biochimica et biophysica Sinica , Vol. 47, Issue 6, pp. 414-21, (2015) (PubMed).
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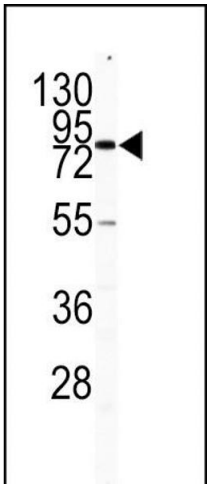
Flow Cytometry

Image 1. Overlay histogram showing THP-1 cells stained with (ABIN391674 and ABIN2841585) (green line). The cells were fixed with 2 % paraformaldehyde (10 min). The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN391674 and ABIN2841585), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG (1 µ g/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. All lanes : Anti-CD31 Antibody (C-term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: human lung lysate Lane 3: THP-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 3. Western blot analysis of CD31 antibody (C-term) (ABIN391674 and ABIN2841585) in HL60 cell line lysates (35 µg/lane). CD31 (arrow) was detected using the purified Pab.