

Datasheet for ABIN1532390  
**anti-CD31 antibody (AA 686-735)**



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3 Images

## Overview

|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                            |
| Target:              | CD31 (PECAM1)                                                                     |
| Binding Specificity: | AA 686-735                                                                        |
| Reactivity:          | Human, Mouse                                                                      |
| Host:                | Rabbit                                                                            |
| Clonality:           | Polyclonal                                                                        |
| Conjugate:           | This CD31 antibody is un-conjugated                                               |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA |

## Product Details

|               |                                                                                             |
|---------------|---------------------------------------------------------------------------------------------|
| Immunogen:    | The antiserum was produced against synthesized peptide derived from human PECAM-1.          |
| Isotype:      | IgG                                                                                         |
| Specificity:  | PECAM-1 Antibody detects endogenous levels of total PECAM-1 protein.                        |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen. |
| Purity:       | > 95 %                                                                                      |

## Target Details

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
| Target:           | CD31 (PECAM1)                                                               |
| Alternative Name: | PECAM-1 ( <a href="#">PECAM1 Products</a> )                                 |
| Background:       | Synonyms: CD31, CD31 antigen, EndoCAM, PEC1, PECA1, PECAM, PECAM1, Platelet |

## Target Details

endothelial cell adhesion molecule precursor  
NCBI Gene Symbol: PDGFRA

Molecular Weight: 82 kDa

Gene ID: 5175

OMIM: 173445

UniProt: [P16284](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

## Application Details

Application Notes: WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:20000

Comment: Unigene-Number: Hs.514412 (NCBI Gene Symbol: PDGFRA)

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

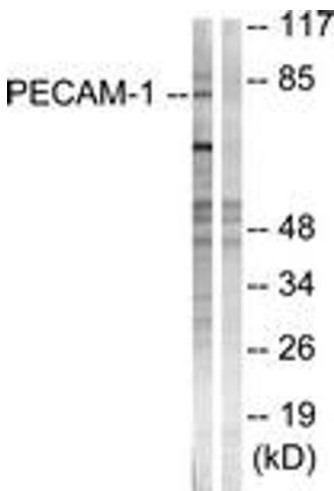
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

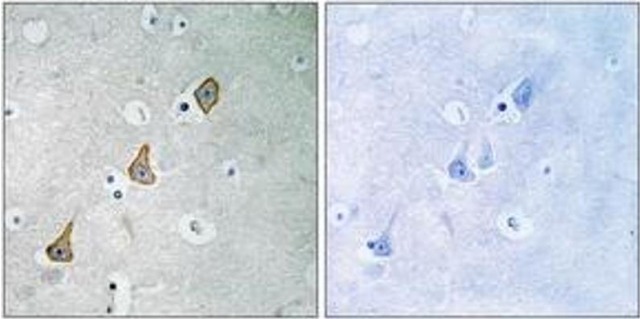
Storage Comment: Stable at -20°C for at least 1 year.

Expiry Date: 12 months



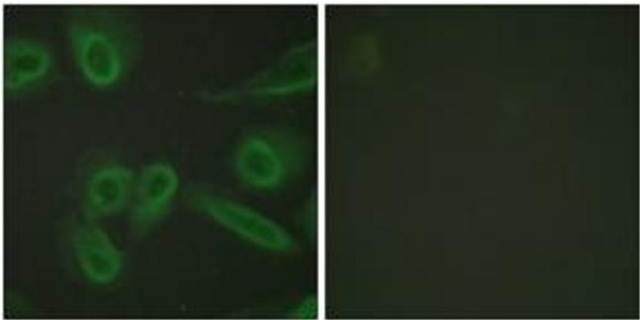
Western Blotting

**Image 1.** Western blot analysis of extracts from Jurkat cells, using PECAM-1 (Ab-713) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PECAM-1 (Ab-713) Antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence

**Image 3.** Immunofluorescence analysis of HeLa cells, using PECAM-1 (Ab-713) Antibody. The picture on the right is treated with the synthesized peptide.