

Datasheet for ABIN6391357

**anti-CD31 antibody (Internal Region)**[Go to Product page](#)**1** Image

## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 100 µg                              |
| Target:              | CD31 (PECAM1)                       |
| Binding Specificity: | Internal Region                     |
| Reactivity:          | Mouse, Rat                          |
| Host:                | Goat                                |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This CD31 antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA        |

## Product Details

|                   |                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Pecam1 / CD31 (mouse)                                                                                                                 |
| Sequence:         | EKTTIEYEVK VH                                                                                                                         |
| Isotype:          | IgG                                                                                                                                   |
| Specificity:      | This antibody is expected to recognize both reported isoforms (NP_032842.2, NP_001027550.1).                                          |
| Cross-Reactivity: | Mouse                                                                                                                                 |
| Purification:     | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade:            | Verified                                                                                                                              |

## Target Details

|                   |                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CD31 (PECAM1)                                                                                                                                  |
| Alternative Name: | Pecam1                                                                                                                                         |
| Background:       | Pecam1, platelet/endothelial cell adhesion molecule 1, C85791, Cd31, PECAM-1, Pecam, PECAM-1/CD31, platelet endothelial cell adhesion molecule |
| Gene ID:          | 18613                                                                                                                                          |
| NCBI Accession:   | <a href="#">NP_032842</a> , <a href="#">NP_001027550</a>                                                                                       |
| Pathways:         | <a href="#">Regulation of Actin Filament Polymerization</a>                                                                                    |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western Blot: Approx 80-85 kDa band observed in Mouse and Rat Spleen lysates (calculated MW of 80 kDa according to Mouse NP_032842.2 and 76.2 kDa according to Rat NP_113779.1).<br>Recommended concentration: 0.3-1 µg/mL. Primary incubation 1 hour at room tempera<br>Peptide ELISA: antibody detection limit dilution 1:128000. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

## Handling

|                    |                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                         |
| Concentration:     | 0.5 mg/mL                                                                                                                                      |
| Buffer:            | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.                                             |
| 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:   | Minimize freezing and thawing.                                                                                                                 |
| Storage:           | -20 °C                                                                                                                                         |
| Storage Comment:   | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |



Western Blotting

**Image 1.** ABIN6391357 (0.5µg/ml) staining of Mouse (A) and Rat (B) Spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.