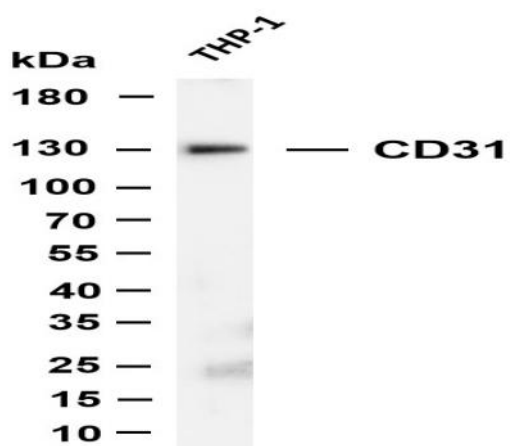


CD31 (PT0141R) PT® Rabbit mAb

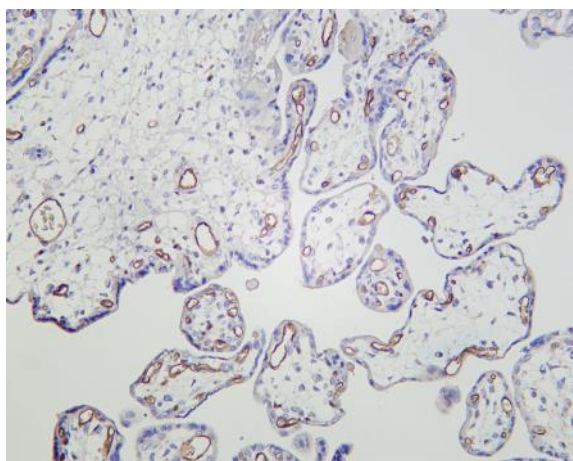
| | |
|------------------------------|---|
| Catalog No : | YM8079 |
| Reactivity : | Human; |
| Applications : | WB;IHC;IF;IP;ELISA |
| Target : | CD31 |
| Fields : | >>Cell adhesion molecules;>>Leukocyte transendothelial migration;>>Malaria;>>Fluid shear stress and atherosclerosis |
| Gene Name : | PECAM1 |
| Protein Name : | Platelet endothelial cell adhesion molecule (PECAM-1) (EndoCAM) (GPIIA') (PECA1) (CD antigen CD31) |
| Human Gene Id : | 5175 |
| Human Swiss Prot No : | P16284 |
| Specificity : | endogenous |
| Formulation : | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA |
| Source : | Monoclonal, rabbit, IgG, Kappa |
| Dilution : | IHC 1:200-1000, WB 1:1000-5000, IF 1:200-1000, ELISA 1:5000-20000, IP 1:50-200 |
| Purification : | Protein A |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Molecularweight : | 83kD |
| Observed Band : | 130kD |
| Cell Pathway : | Cell adhesion molecules (CAMs);Leukocyte transendothelial migration; |

| | |
|-------------------------------|---|
| 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 activation. [provided by RefSeq, May 2010], |
| Function : | function:This protein is a cell adhesion molecule expressed on platelets and at endothelial cell intercellular junctions.,online information:CD31 entry,online information:PECAM-1 ,online information:The Singapore human mutation and polymorphism database,PTM:Phosphorylated on Ser and Tyr residues after cellular activation.,similarity:Contains 6 Ig-like C2-type (immunoglobulin-like) domains.,tissue specificity:Long isoform predominates all tissues examined, isoform Delta12 was detected only in trachea and isoform Delta14-15 only in lung, isoform Delta14 was detected in all tissues examined with the strongest expression in heart., |
| Subcellular Location : | Membranous |
| Expression : | Expressed on platelets and leukocytes and is primarily concentrated at the borders between endothelial cells (PubMed:18388311, PubMed:21464369). Expressed in human umbilical vein endothelial cells (HUVECs) (at protein level) (PubMed:19342684, PubMed:17580308). Expressed on neutrophils (at protein level) (PubMed:17580308). Isoform Long predominates in all tissues examined (PubMed:12433657). Isoform Delta12 is detected only in trachea (PubMed:12433657). Isoform Delta14-15 is only detected in lung (PubMed:12433657). Isoform Delta14 is detected in all tissues examined with the strongest expression in heart (PubMed:12433657). Isoform Delta15 is expressed in brain, testis, ovary, cell surface of platelets, human umbilical vein endothelial cells (HUVECs), Jurkat T-cell leukemia, human erythrocytes |
| Tag : | hot,recombinant |
| Sort : | 1 |
| No4 : | 1 |
| Host : | Rabbit |
| Modifications : | Unmodified |

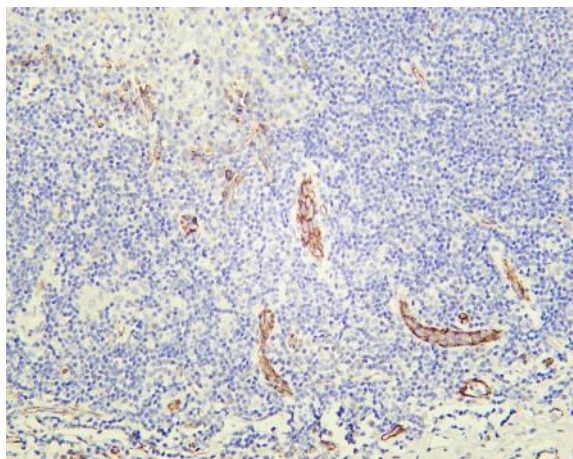
Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD31 (PT0141R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: THP-1
Predicted band size: 83kDa Observed band size: 130kDa



Human placenta was stained with Anti-CD31 (PT0141R) rabbit antibody



Human tonsil was stained with Anti-CD31 (PT0141R) rabbit antibody