

**CD41 Antibody**  
**Rabbit mAb**  
**Catalog # AP91220****Specification**

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**CD41 Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P08514</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
Integrin alpha-lib; GPalpha lib; GPIIb; Platelet membrane glycoprotein lib; CD41; ITGA2B; GP2B; ITGAB;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>113377 Da</b>

**CD41 Antibody - Additional Information**

Dilution	<b>WB~~1:1000</b> <b>IHC~~1:100~500</b>
Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human CD41</b>
Description	<b>Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

**CD41 Antibody - Protein Information****Name** ITGA2B**Synonyms** GP2B, ITGAB**Function**

Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain (By similarity). Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through

binding of soluble fibrinogen (PubMed:<a href="http://www.uniprot.org/citations/9111081" target="\_blank">9111081</a>). This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface (By similarity).

#### **Cellular Location**

Membrane; Single-pass type I membrane protein.

#### **Tissue Location**

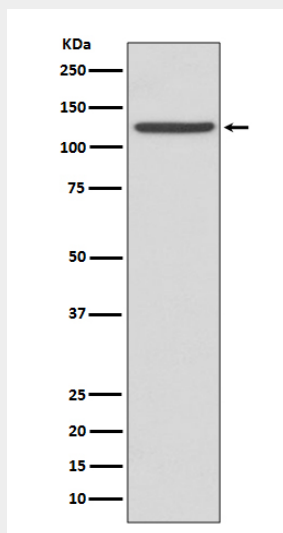
Isoform 1 and isoform 2 are expressed in platelets and megakaryocytes, but not in reticulocytes. Not detected in Jurkat, nor in U937 cell lines (PubMed:2351656). Isoform 3 is expressed in prostate adenocarcinoma, as well as in several erythroleukemia, prostate adenocarcinoma and melanoma cell lines, including PC-3, DU-145, HEL, WM983A, WM983B and WM35. Not detected in platelets, nor in normal prostate (at protein level) (PubMed:9809974)

### **CD41 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **CD41 Antibody - Images**



Western blot analysis of CD41 expression in human fetal liver lysate.