

CD41 Antibody

Rabbit mAb Catalog # AP91220

Product Information

Application WB, IHC
Primary Accession P08514
Reactivity Human
Clonality Monoclonal

Other Names Integrin alpha-Iib; GPalpha Iib; GPIIb; Platelet membrane glycoprotein Iib;

CD41; ITGA2B; GP2B; ITGAB;

IsotypeRabbit IgGHostRabbitCalculated MW113377

Additional Information

Dilution WB 1:500~1:1000 IHC 1:50~1:200

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human CD41

Description 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-A-K-Q-A-G-D-V in fibrinogen gamma chain.

Storage Condition and Buffer 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.

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:9111081). This step leads to rapid platelet aggregation which physically plugs ruptured

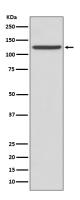
endothelial cell surface (By similarity).

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)

Images



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

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