

CD41 Monoclonal Antibody(Q90)
Catalog # AP63360**Specification**

CD41 Monoclonal Antibody(Q90) - Product Information

Application	IHC-P
Primary Accession	P08514
Reactivity	Human
Host	Mouse
Clonality	Monoclonal

CD41 Monoclonal Antibody(Q90) - Additional Information**Gene ID** 3674**Other Names**

ITGA2B; GP2B; ITGAB; Integrin alpha-IIb; GPalpha IIb; GPIIb; Platelet membrane glycoprotein IIb; CD41

Dilution

IHC-P~~N/A

Format

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions

-20°C

CD41 Monoclonal Antibody(Q90) - 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.

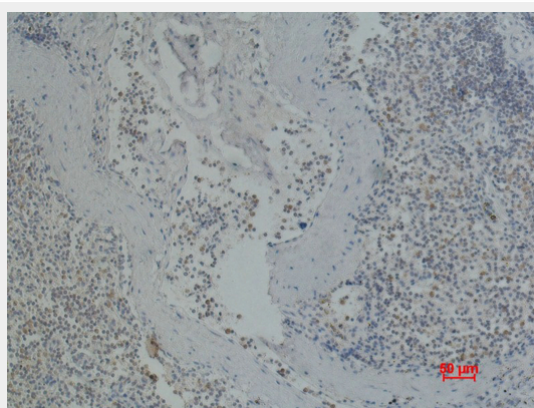
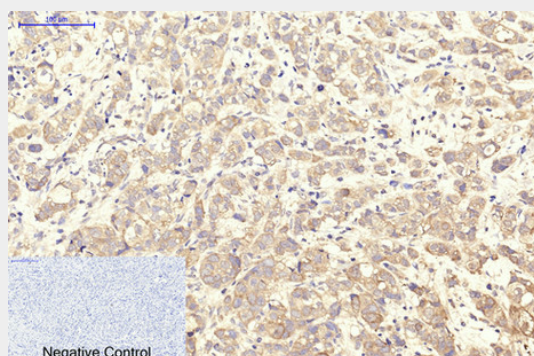
Not detected in Jurkat, nor in U937 cell lines (PubMed:2351656). Isoform 3 is expressed in prostate adenocarcinoma, as well as in several erythroleukemia, prostate adenocarcinoma and melanoma cell lines, including PC-3, DU-145, HEL, WM983A, WM983B and WM35. Not detected in platelets, nor in normal prostate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

CD41 Monoclonal Antibody(Q90) - 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 Monoclonal Antibody(Q90) - Images



CD41 Monoclonal Antibody(Q90) - Background

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soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface.