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# ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term)

**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP21648b**

## Specification

### ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | P08514 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **113377** |

### ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term) - Additional Information

**Gene ID** 3674

**Other Names**
Integrin alpha-IIb, GPalpha IIb, GPIIb, Platelet membrane glycoprotein IIb, CD41, Integrin alpha-IIb heavy chain, Integrin alpha-IIb light chain, form 1, Integrin alpha-IIb light chain, form 2, ITGA2B, GP2B, ITGAB

**Target/Specificity**
This ITGA2B(Integrin alpha-IIb heavy chain) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 783-817 amino acids from the C-terminal region of human ITGA2B(Integrin alpha-IIb heavy chain).

**Dilution**
WB~~1:2000

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term) - 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. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface.

**Cellular Location**
Membrane; Single-pass type I membrane protein.

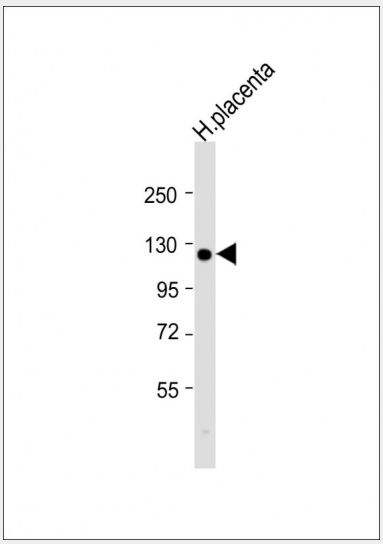
**Tissue Location**
Isoform 1 and isoform 2 are expressed in platelets and megakaryocytes, but not in reticulocytes. Not detected in Jurkat, nor in U937 cell lines (PubMed:2351656). Isoform 3 is expressed in prostate adenocarcinoma, as well as in several erythroleukemia, prostate adenocarcinoma and melanoma 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)

## ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term) - Images




Anti-ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term) at 1:2000 dilution + human placenta lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 113 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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## ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term) - Background

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. Following activation integrin alpha- IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface.

## ITGA2B(Integrin alpha-IIb heavy chain) Antibody (C-term) - References

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