

Anti-ITGA2B / CD41 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18605**Specification**

Anti-ITGA2B / CD41 Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P08514
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	113377
Dilution	WB~~1:1000 IHC-P~~N/A

Anti-ITGA2B / CD41 Antibody - Additional Information**Gene ID** 3674**Alias Symbol** ITGA2B**Other Names**

ITGA2B, BDPLT2, CD41B, GT, gp2B, Integrin alpha-IIb, ITGAB, GPIIb, HPA3, Platelet-specific antigen BAK, CD41, CD41 antigen, GPalpha IIb, GTA

Target/Specificity

Human ITGA2B / CD41

Reconstitution & Storage

Affinity purified

Precautions

Anti-ITGA2B / CD41 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ITGA2B / 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: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)

Anti-ITGA2B / 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](#)

Anti-ITGA2B / CD41 Antibody - Images