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Anti-ITGA2B / CD41 Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18605

Product Information

Application	WB, IHC-P
Primary Accession	P08514
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	113377

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.

Protein Information

Name	ITGA2B (HGNC:6138)
Synonyms	GP2B, ITGAB
Function	Integrin alpha-IIb/beta-3 (ITGA2B:ITGB3) 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). Integrin ITGA2B:ITGB3 is also the receptor of erythrocyte-specific ICAM4 ligand involved in heterotypic cell-cell adhesion between erythrocytes and activated platelets (PubMed:12477717).

Cellular Location	Cell 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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.