

Anti-CD41 HC Antibody

Rabbit polyclonal antibody to CD41 HC
Catalog # AP60154

Product Information

Application	WB
Primary Accession	P08514
Other Accession	Q9QUM0
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113377

Additional Information

Gene ID	3674
Other Names	GP2B; ITGAB; Integrin alpha-IIb; GPalpha IIb; GPIIb; Platelet membrane glycoprotein IIb; CD41
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CD41 HC. The exact sequence is proprietary.
Dilution	WB~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

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-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.

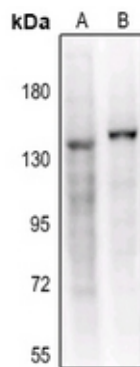
Tissue Location

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)

Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CD41 HC. The exact sequence is proprietary.

Images



Western blot analysis of CD41 HC expression in K562 (A), mouse testis (B) whole cell lysates.

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