

ARG41100 anti-CD41 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD41
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD41
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 677-711 of Human CD41. (EAELAVHLPQGAHYMRALS NVEGFERLICNQKKEN)
Conjugation	Un-conjugated
Alternate Names	GTA; GT; GPalpha IIb; PPP1R93; CD41; BDPLT2; BDPLT16; GP2B; Integrin alpha-IIb; GPIIb; Platelet membrane glycoprotein IIb; HPA3; CD antigen CD41; CD41B

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	113 kDa	

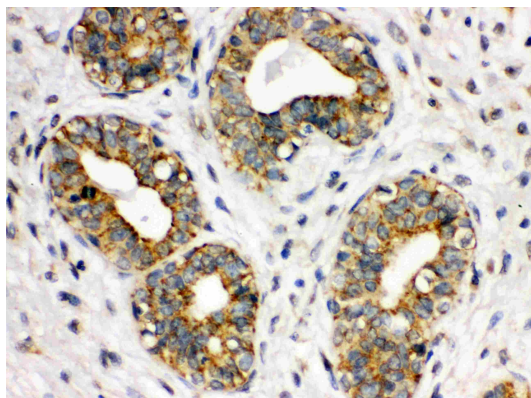
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

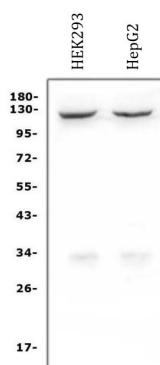
Gene Symbol	ITGA2B
Gene Full Name	integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41)
Background	ITGA2B encodes integrin alpha chain 2b. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 2b undergoes post-translational cleavage to yield disulfide-linked light and heavy chains that join with beta 3 to form a fibronectin receptor expressed in platelets that plays a crucial role in coagulation. Mutations that interfere with this role result in thrombasthenia. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. [provided by RefSeq, Jul 2008]
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. 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. [UniProt]
Calculated Mw	113 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



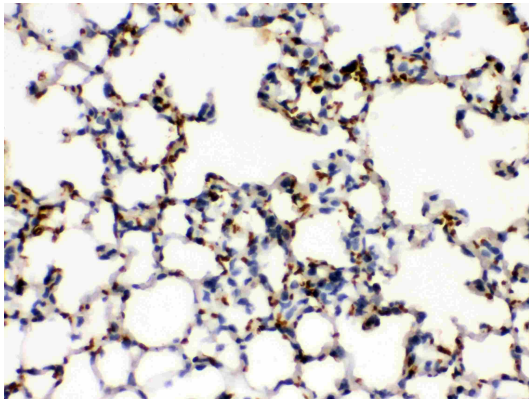
ARG41100 anti-CD41 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer tissue stained with ARG41100 anti-CD41 antibody.



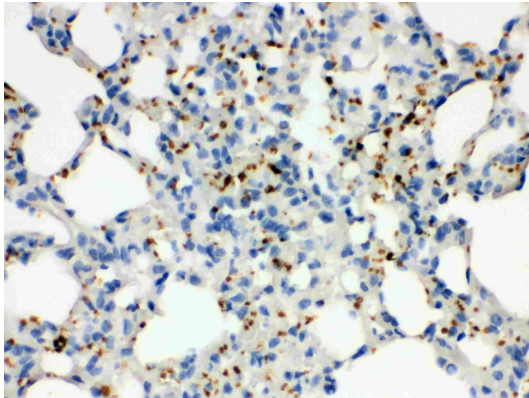
ARG41100 anti-CD41 antibody WB image

Western blot: 50 µg of samples under reducing conditions. HEK293 and HepG2 whole cell lysates stained with ARG41100 anti-CD41 antibody at 0.5 µg/ml, overnight at 4°C.



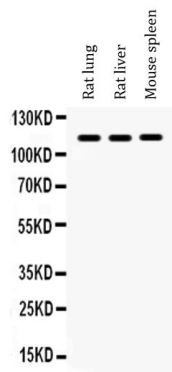
ARG41100 anti-CD41 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse lung tissue stained with ARG41100 anti-CD41 antibody.



ARG41100 anti-CD41 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat lung tissue stained with ARG41100 anti-CD41 antibody.



ARG41100 anti-CD41 antibody WB image

Western blot: 50 µg of Rat lung, Rat liver and Mouse spleen lysates stained with ARG41100 anti-CD41 antibody at 0.5 µg/ml dilution.