DATASHEET

CD41 Rabbit Polyclonal Antibody

CAT. NO. ARA5809

KEY FEATURES

Target	CD41	**Source/Host**	Rabbit
Reactivity	Human, Mouse, Rat	**Clonality**	Polyclonal
Applications	WB,IHC,IP,ELISA	**Conjugation**	Unconjugated
Isotype	IgG	**Storage**	at -20°C

BACKGROUND

This gene encodes a member of the integrin alpha chain family of proteins. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate through disulfide linkages to form a subunit of the alpha-IIb/beta-3 integrin cell adhesion receptor. This receptor plays a crucial role in the blood coagulation system, by mediating platelet aggregation. Mutations in this gene are associated with platelet-type bleeding disorders, which are characterized by a failure of platelet aggregation, including Glanzmann thrombasthenia.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:2000-1:15000
IHC	1:500-1:2000
IP	0.5-4.0 μg for 1.0-3.0 mg of total protein lysate
ELISA	Assay-dependent

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Rabbit polyclonal antibody to CD41
Specificity	Recognizes endogenous levels of CD41 protein
Antibody Type	Primary antibody
Immunogen	Recombinant human CD41/Integrin alpha 2b protein (amino acids 678-894)
Molecular Weight	Predicted: 113 kDa; Observed: 110-125 kDa
Purification	Antigen affinity purification
Isotype	IgG
Form/Buffer	PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Alternative Names	CD41a, CD41B, GP2B, GPalpha IIb, GPIIb
Gene Symbol	ITGA2B
Entrez Gene	3674
SwissProt	P08514

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

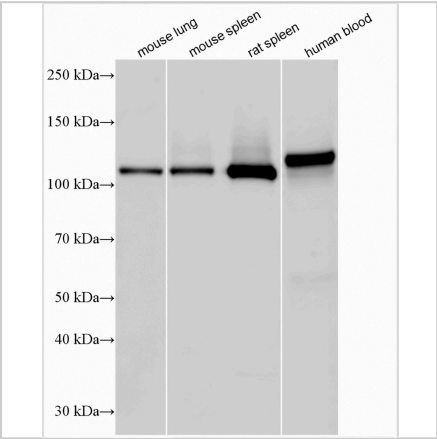
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

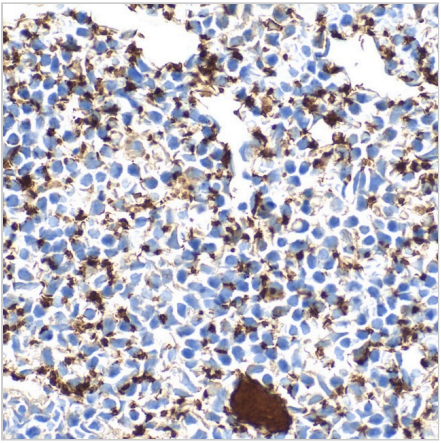
CD41 Rabbit Polyclonal Antibody

CAT. NO. ARA5809

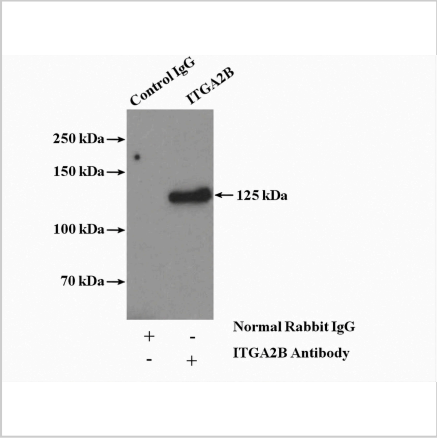
DATA



Various lysates were subjected to SDS-PAGE followed by western blot with CD41 Rabbit Polyclonal Antibody at 1:5000 dilution and incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using CD41 Rabbit Polyclonal Antibody at 1:1000 dilution (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunoprecipitation of CD41 from human plasma lysate using CD41 Rabbit Polyclonal Antibody (IP: 4 µg; detection: 1:2000).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com