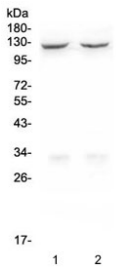
CD41 Antibody / ITGA2B (R31916)

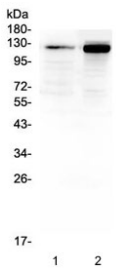
Catalog No.	Formulation	Size
R31916	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

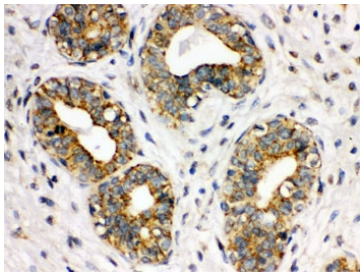
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P08514
Localization	Cytoplasmic, membrane
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This CD41 antibody is available for research use only.



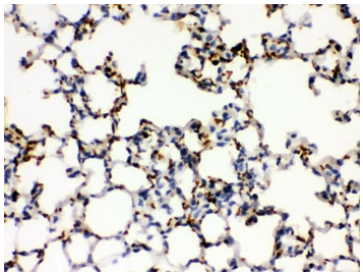
Western blot testing of human 1) HEK293 and 2) HepG2 cell lysate with CD41 antibody. Expected molecular weight ~120 kDa.



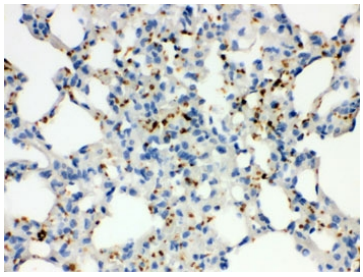
Western blot testing of 1) rat spleen and 2) mouse spleen lysate with CD41 antibody. Expected molecular weight ~120 kDa.



IHC testing of FFPE human breast cancer with CD41 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE mouse lung with CD41 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat lung with CD41 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

Integrin alpha-IIb, also called CD41, is a protein that in humans is encoded by the ITGA2B gene. It is mapped to 17q21.32. 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 fibrinogen 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.

For broader ITGA2B validation across IHC, western blot and flow cytometry, see our ITGA2B Antibody / Integrin Alpha 2b Antibody page.

Application Notes

Optimal dilution of the CD41 antibody should be determined by the researcher.

Immunogen

Amino acids EAELAVHLPQGAHYMRALSNVEGFERLICNQKKEN of human ITGA2B/CD41 were used as the immunogen for the CD41 antibody.

Storage

After reconstitution, the CD41 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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