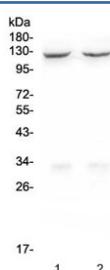


## CD41 Antibody / ITGA2B (R31916)

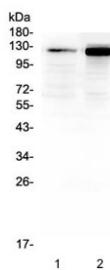
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R31916      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

[Bulk quote request](#)

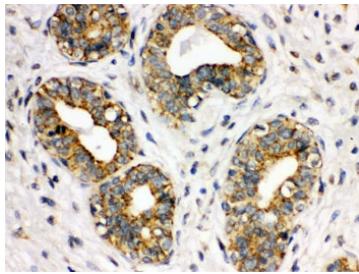
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human, Mouse, Rat   |
| <b>Format</b>             | Antigen affinity purified                                     |
| <b>Host</b>               | Rabbit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



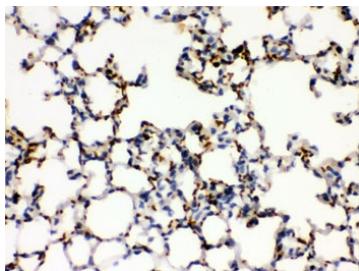
Western blot testing of human 1) HEK293 and 2) HepG2 cell lysate with CD41 antibody. Expected molecular weight ~120 kDa.



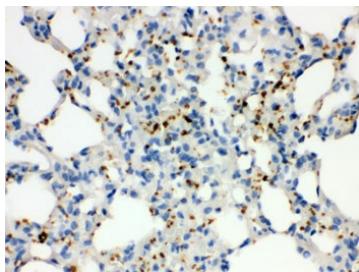
Western blot testing of 1) rat spleen and 2) mouse spleen lysate with CD41 antibody. Expected molecular weight ~120 kDa.



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.

## Application Notes

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

## Immunogen

Amino acids EAELAVHLPQGAHYMRALSNEGFERLICNQKKEN 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

