

# Product Datasheet

## Integrin alpha 2b/CD41 Antibody NBP1-84581

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-84581**

## Integrin alpha 2b/CD41 Antibody

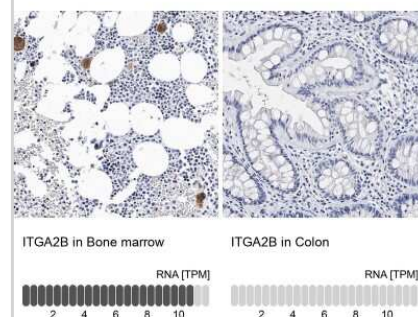
| Product Information |  |
|---------------------|--|
| Unit Size           | 0.1 ml   |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| Clonality           | Polyclonal   |
| Preservative        | 0.02% Sodium Azide   |
| Isotype             | IgG  |
| Purity              | Immunogen affinity purified  |
| Buffer              | PBS (pH 7.2) and 40% Glycerol  |

| Product Description |   |
|---------------------|---|
| Host                | Rabbit  |
| Gene Symbol         | ITGA2B  |
| Species             | Human   |
| Reactivity Notes    | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (85%), Rat (82%)   |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>GATGHNIPQKLSLNAELQLDRQKPRQGRRVLLLGSQQAGTTLNLDLGGKHSPICHTTMAFLRDEADFRDKLSPIVLSLNVSLPTEAGMAPAV |

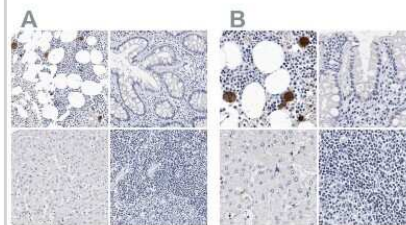
| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Western Blot 0.04-0.4 ug/ml, Simple Western 1:25, Immunohistochemistry 1:2500 - 1:5000, Immunohistochemistry-Paraffin 1:2500 - 1:5000     |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended. In Simple Western only 10-15 uL of the recommended dilution is used per data point. |

**Images**

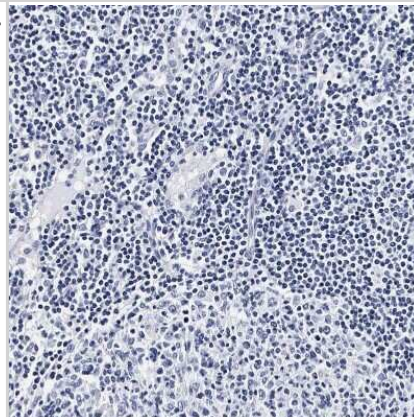
Immunohistochemistry-Paraffin: Integrin alpha 2b/CD41 Antibody [NBP1-84581] - Analysis in human bone marrow and colon tissues. Corresponding Integrin alpha 2b/CD41 RNA-seq data are presented for the same tissues.



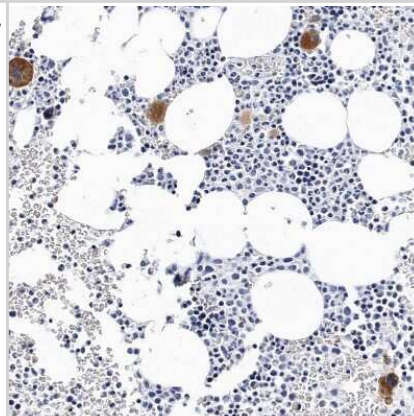
Immunohistochemistry-Paraffin: Integrin alpha 2b/CD41 Antibody [NBP1-84581] - Staining of human bone marrow, colon, liver and lymph node using Anti-ITGA2B antibody NBP1-84581 (A) shows similar protein distribution across tissues to independent antibody NBP1-84579 (B).



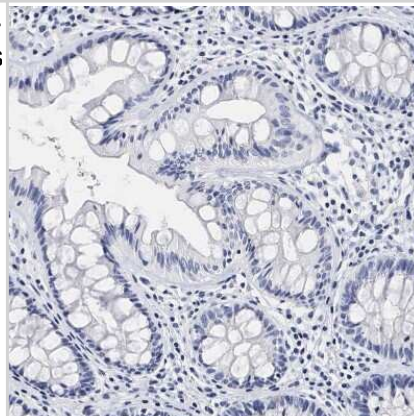
Immunohistochemistry-Paraffin: Integrin alpha 2b/CD41 Antibody [NBP1-84581] - Staining of human lymph node shows no positivity in non-germinal center cells as expected.



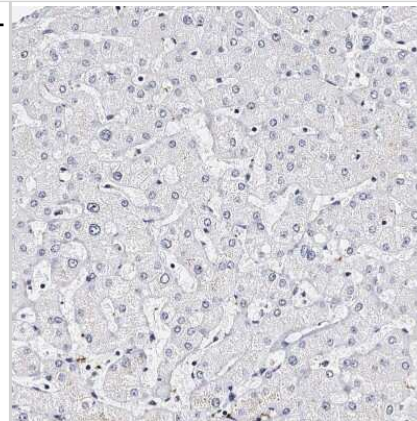
Immunohistochemistry-Paraffin: Integrin alpha 2b/CD41 Antibody [NBP1-84581] - Staining of human bone marrow shows strong cytoplasmic positivity in megakaryocytes.



Immunohistochemistry-Paraffin: Integrin alpha 2b/CD41 Antibody [NBP1-84581] - Staining of human colon shows no positivity in glandular cells as expected.



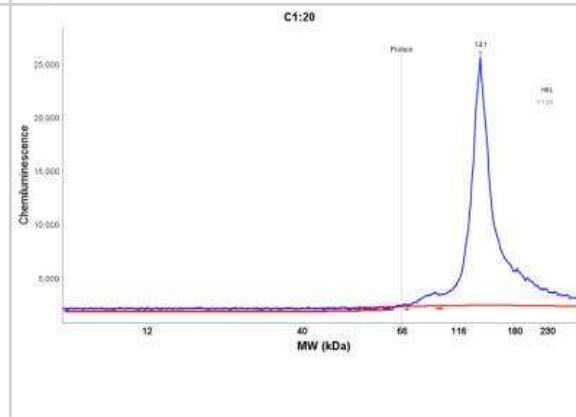
Immunohistochemistry-Paraffin: Integrin alpha 2b/CD41 Antibody [NBP1-84581] - Staining of human liver shows no positivity in hepatocytes as expected.



Simple Western: Integrin alpha 2b/CD41 Antibody [NBP1-84581] - Simple Western lane view shows a specific band for Integrin alpha 2b/CD41 in 0.2 mg/ml of HEL lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation systems.



Simple Western: Integrin alpha 2b/CD41 Antibody [NBP1-84581] - Electropherogram image of the corresponding Simple Western lane view. Integrin alpha 2b/CD41 antibody was used at 1:25 dilution on HEL lysate(s) respectively.



## Publications

Zar□ M, Campodonico J, Cosentino N et al. Plasma Exosome Profile in ST-Elevation Myocardial Infarction Patients with and without Out-of-Hospital Cardiac Arrest International Journal of Molecular Sciences 2021-07-28 [PMID: 34360827] (WB)



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### **Products Related to NBP1-84581**

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|               |   |
|---------------|---|
| NBP1-84581PEP | Integrin alpha 2b/CD41 Recombinant Protein Antigen  |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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