

Product Datasheet

Integrin alpha 3/CD49c Antibody - BSA Free NBP2-48514

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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Publications: 1

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Updated 12/2/2025 v.20.1

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NBP2-48514

Integrin alpha 3/CD49c Antibody - BSA Free

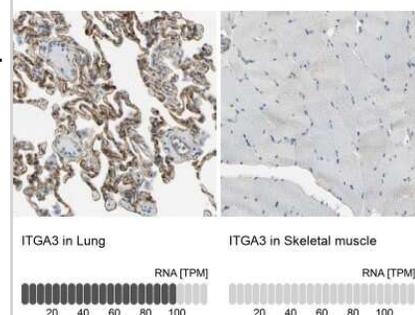
| Product Information | |
|----------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw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

| Product Description | |
|-------------------------|--|
| Description | Novus Biologicals Rabbit Integrin alpha 3/CD49c Antibody - BSA Free (NBP2-48514) is a polyclonal antibody validated for use in IHC and WB. Anti-Integrin alpha 3/CD49c Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 3675 |
| Gene Symbol | ITGA3 |
| Species | Human, Rat |
| Reactivity Notes | Mouse (84%). |
| Immunogen | This antibody was developed against a recombinant protein corresponding to amino acids: AQALENHTEVQFQKECGPDNKCESNLQMRAAFVSEQQQLSRLQYSRDVRKLLLSINVTNTRTSERSGEDAHEALLTLVPPALLLSSVRPPGACQANETIFCELGNPFKRNQRMELLIAFEVIGV |

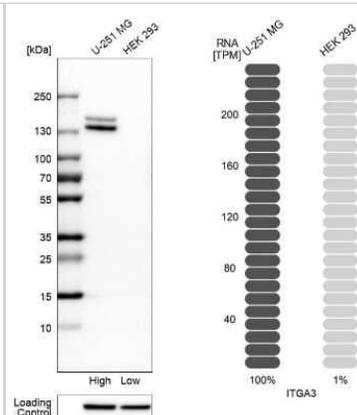
| Product Application Details | |
|------------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry |
| Recommended Dilutions | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200 |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. |

Images

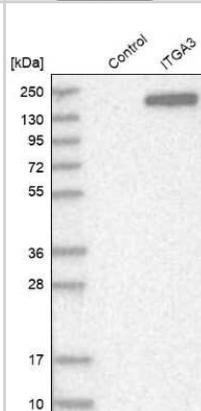
Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining in human lung and skeletal muscle tissues .
Corresponding ITGA3 RNA-seq data are presented for the same tissues.



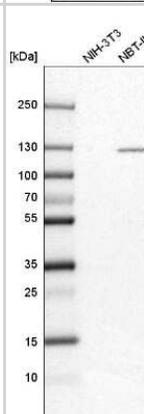
Western Blot: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Analysis in human cell lines U-251MG and HEK293 using anti-ITGA3 antibody. Corresponding ITGA3 RNA-seq data are presented for the same cell lines. Loading control: anti-HSP90B1.



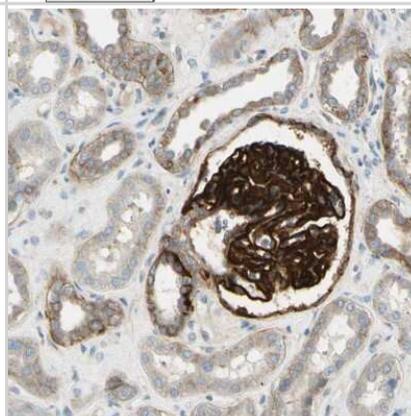
Western Blot: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Analysis in control (vector only transfected HEK293T lysate) and ITGA3 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



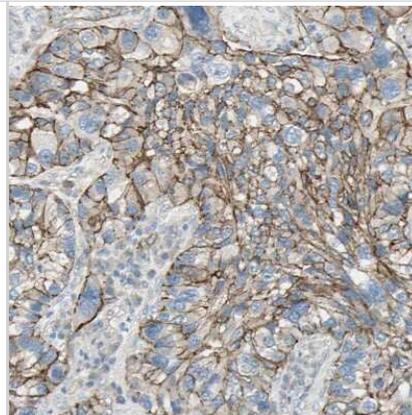
Western Blot: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



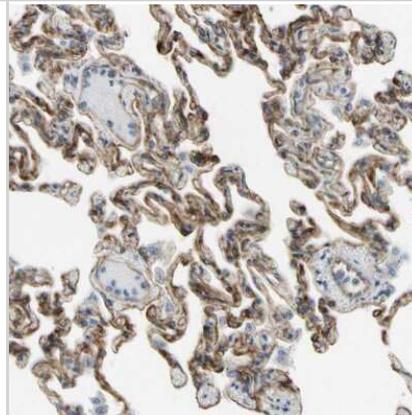
Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining of human kidney shows strong membranous positivity in cells in glomeruli.



Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining of human lung cancer shows strong membranous positivity in tumor cells.



Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining of human lung shows strong membranous positivity in pneumocytes.



Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining of human small intestine shows strong membranous positivity in glandular cells.



Publications

DM Beauvais, SE Nelson, KM Adams, NA Stueven, O Jung, AC Rapraeger Plasma membrane proteoglycans syndecan-2 and syndecan-4 engage with EGFR and RON kinase to sustain carcinoma cell cycle progression *The Journal of Biological Chemistry*, 2022-05-13;0(0):102029. 2022-05-13 [PMID: 35569509]



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Products Related to NBP2-48514

| | |
|---------------|---|
| NBP2-48514PEP | Integrin alpha 3/CD49c Recombinant Protein Antigen |
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |

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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