

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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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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

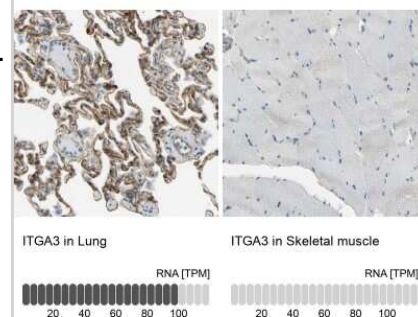
Host	Rabbit
Gene ID	3675
Gene Symbol	ITGA3
Species	Human, Rat
Reactivity Notes	Mouse (84%).
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: AQALENHTEVQFQKECGPDNKCESNLQMRAAFVSEQQKLSRLQYSRDVRKL LLSINVTNTRTSERSGEDAHEALLTLVPPALLLSSVRPPGACQANETIFCELGN PFKRNQRMELLIAFEVIGV

Product Application Details

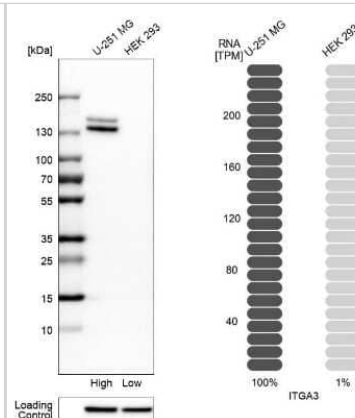
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

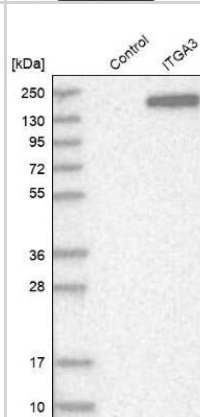
Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining in human lung and skeletal muscle tissues .
Corresponding ITGA3 RNA-seq data are presented for the same tissues.



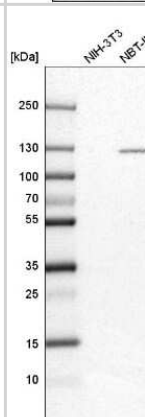
Western Blot: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Analysis in human cell lines U-251MG and HEK293 using anti-ITGA3 antibody. Corresponding ITGA3 RNA-seq data are presented for the same cell lines. Loading control: anti-HSP90B1.



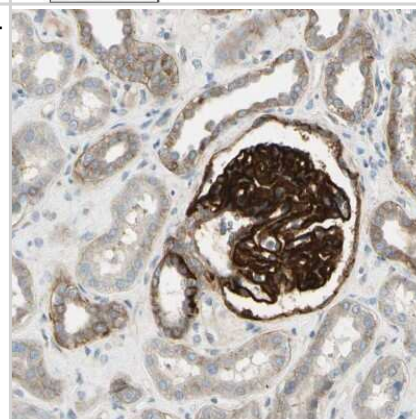
Western Blot: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Analysis in control (vector only transfected HEK293T lysate) and ITGA3 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



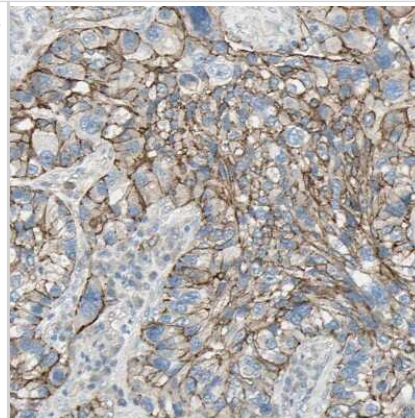
Western Blot: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



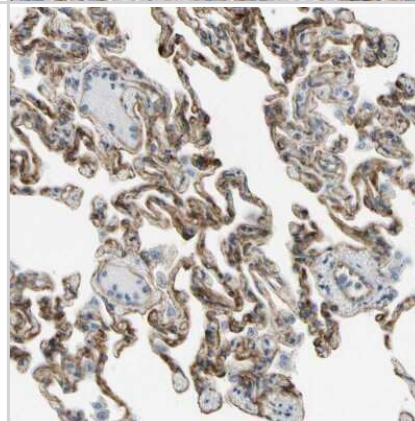
Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining of human kidney shows strong membranous positivity in cells in glomeruli.



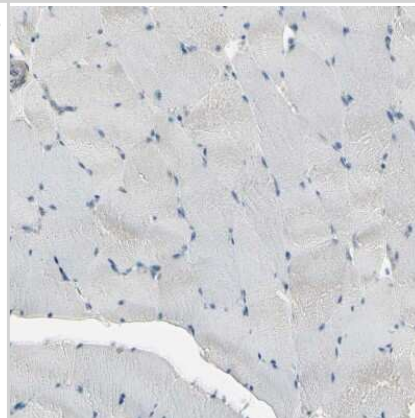
Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining of human lung cancer shows strong membranous positivity in tumor cells.



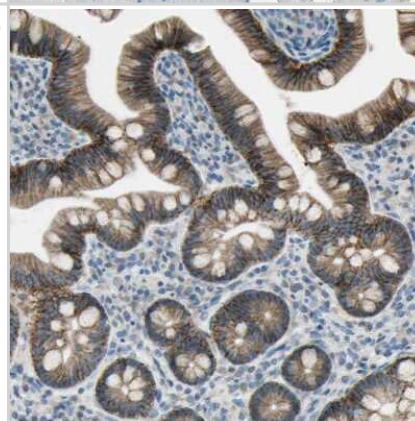
Immunohistochemistry-Paraffin: Integrin alpha 3/CD49c Antibody [NBP2-48514] - Staining of human lung shows strong membranous positivity in pneumocytes.



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
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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