

Product Datasheet

Integrin alpha 5/CD49e Antibody - BSA Free NBP1-84576

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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NBP1-84576

Integrin alpha 5/CD49e Antibody - BSA Free

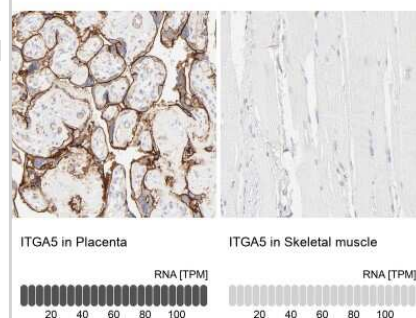
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	3678
Gene Symbol	ITGA5
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (82%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DQPQKEEDLGPVHHVYELINQGPSSISQGVLELSCPQALEGQQLLYVTRVTG LNCTTNHPINPKGLELDPEGSLHHQQKREAPSRSSASSGPQILKCPEAECFRL RCELGPLHQQESQSLQLHFRVWA

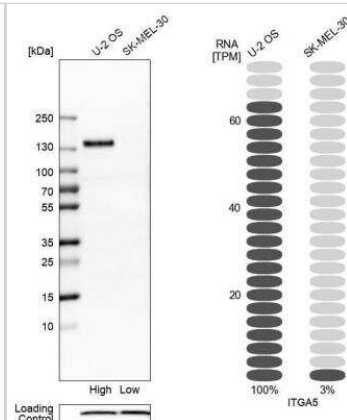
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

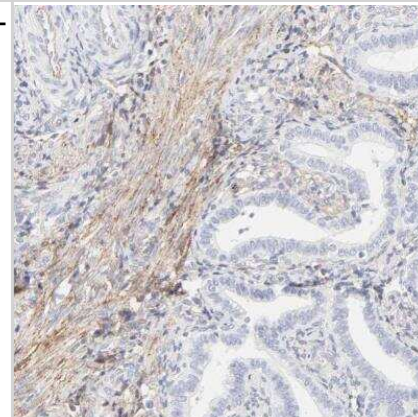
Immunohistochemistry-Paraffin: Integrin alpha 5/CD49e Antibody [NBP1-84576] - Staining in human placenta and skeletal muscle tissues using anti-ITGA5 antibody. Corresponding ITGA5 RNA-seq data are presented for the same tissues.



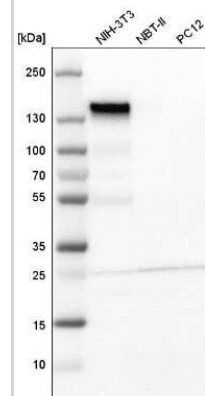
Western Blot: Integrin alpha 5/CD49e Antibody [NBP1-84576] - Analysis in human cell lines U2OS and SK-MEL-30. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-COX411.



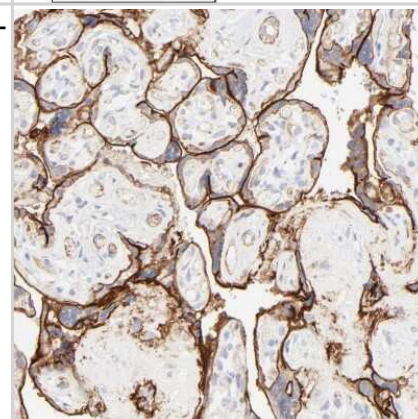
Immunohistochemistry-Paraffin: Integrin alpha 5/CD49e Antibody [NBP1-84576] - Staining of human endometrium shows weak to moderate membranous positivity in smooth muscle cells.



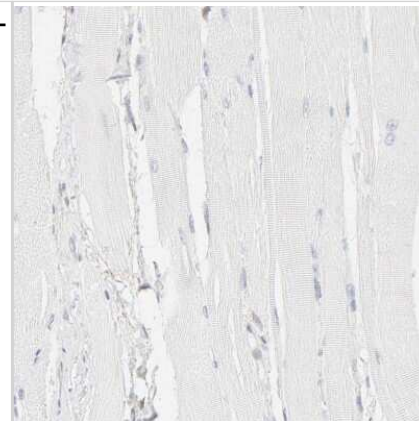
Western Blot: Integrin alpha 5/CD49e Antibody [NBP1-84576] - Analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



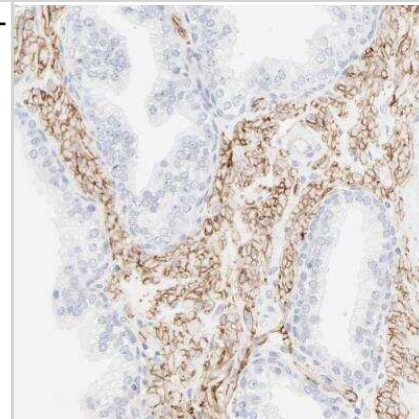
Immunohistochemistry-Paraffin: Integrin alpha 5/CD49e Antibody [NBP1-84576] - Staining of human placenta shows high expression.



Immunohistochemistry-Paraffin: Integrin alpha 5/CD49e Antibody [NBP1-84576] - Staining of human skeletal muscle shows low expression as expected.



Immunohistochemistry-Paraffin: Integrin alpha 5/CD49e Antibody [NBP1-84576] - Staining of human prostate shows moderate membranous positivity in smooth muscle cells.



Publications

Krajnak S, Jakel J, Anic K Et al. Role of integrins in the metastatic spread of high-grade serous ovarian cancer Archives of gynecology and obstetrics 2021-10-24 [PMID: 34689222] (IHC-P, Human)

McKenzie JA, Liu T, Jung JY et al. Survivin promotion of melanoma metastasis requires upregulation of alpha5 integrin. Carcinogenesis 2013-09-01 [PMID: 23640047] (IF/IHC, Mouse)



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Products Related to NBP1-84576

NBP1-84576PEP	Integrin alpha 5/CD49e 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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