

Product Datasheet

Integrin alpha 3/CD49c Antibody (29A3) - BSA Free NBP1-97692

Unit Size: 0.1 mg

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

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NBP1-97692

Integrin alpha 3/CD49c Antibody (29A3) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	29A3
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS, pH 7.2

Product Description	
Description	The antibody is shipped at ambient temperature and may be stored at 4C. For prolonged storage prepare appropriate aliquots and store at or below -20C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at 4C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.
Host	Mouse
Gene ID	3675
Gene Symbol	ITGA3
Species	Human, Porcine
Reactivity Notes	A broad species reactivity is expected based on the conserved nature of the epitope. Use in Porcine reported in scientific literature (PMID:32211117).
Specificity/Sensitivity	This antibody recognizes specifically the cytoplasmic domain of Integrin alpha 3/CD49c which is present in the basal cell layer in skin, glomeruli, Bowman's capsules and distal tubuli in kidney, all vascular and capillary endothelia in brain, heart and skin, and vascular smooth muscle cells in heart.
Immunogen	Derived by fusion of SP2/0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with a synthetic peptide corresponding to the cytoplasmic domain of the Integrin alpha 3/CD49c including an additional N-terminal cysteine (CRTRALYEAKRQKAEMKSPSETERLTDDY) coupled to keyhole limpet hemocyanin.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:100-1:200

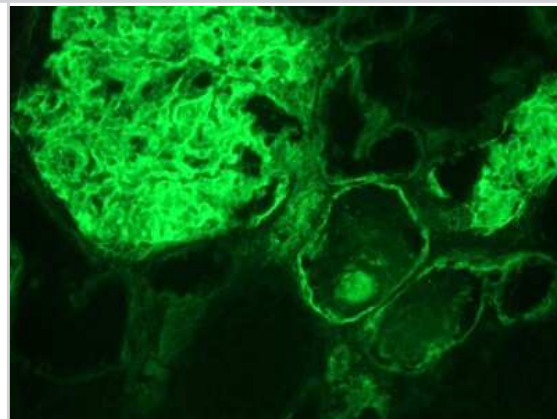


Application Notes

This antibody is suitable for immunoblotting, immunocytochemistry and immunohistochemistry on frozen tissues. Optimal antibody dilution should be determined by titration; recommended range is 1:100 - 1:200 for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications.

Images

Immunocytochemistry/Immunofluorescence: Integrin alpha 3 Antibody (29A3) [NBP1-97692] - Immunohistochemistry on frozen section of human kidney

**Publications**

Li X, Acott Ts, Nagy Ji, Kelley Mj ZO-1 associates with alpha 3 integrin and connexin43 in trabecular meshwork and Schlemm's canal cells Int J Physiol Pathophysiol Pharmacol 2020-02-25 [PMID: 32211117] (Porcine)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-97692

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-48514PEP	Integrin alpha 3/CD49c Recombinant Protein Antigen

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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