

Product Datasheet

Plectin Antibody (SY29-04) NBP2-67452

Unit Size: 100 ul

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

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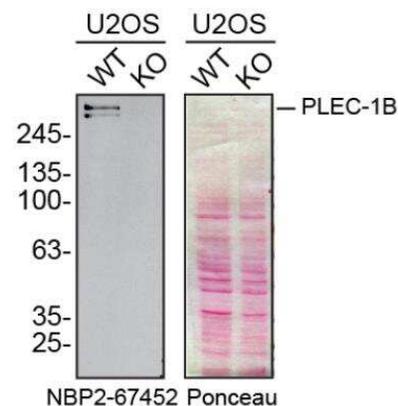
NBP2-67452

Plectin Antibody (SY29-04)

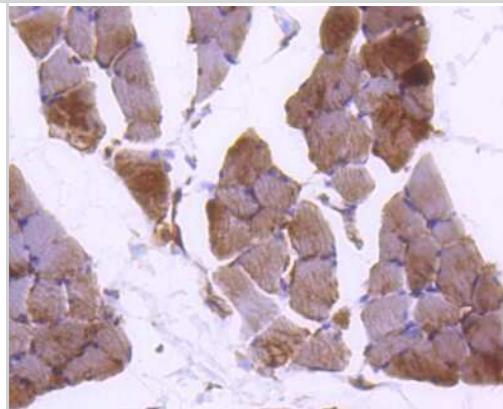
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SY29-04
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Product Description	
Host	Rabbit
Gene Symbol	PLEC
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human Plectin aa 2-101 / 4,684. (SwissProt: Q15149 Human; SwissProt: Q9QXS1 Mouse; SwissProt: P30427 Rat)
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:500, Knockout Validated

Images

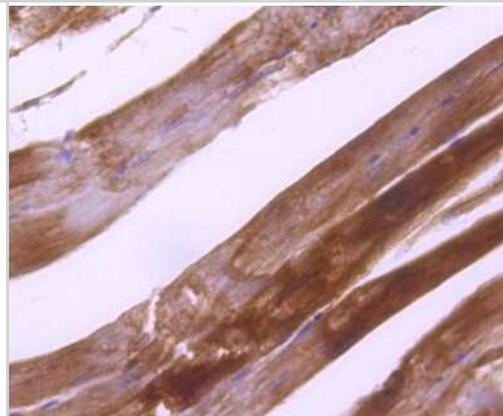
Knockout Validated: Plectin Antibody (SY29-04) [NBP2-67452] - Western blot using lysates from U2OS parental cell line and Plectin-1 knockout U2OS cell line (KO), collected in RIPA buffer. Nitrocellulose membrane was probed with Mouse Anti-Human/Mouse Plectin Monoclonal Antibody (Catalog # NBP2-67452) at a 1:1000 dilution O/N at 4C, followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody and ECL detection. A specific band was detected for Plectin-1 (as indicated) in the parental U2OS cell line, but is not detectable in knockout U2OS cell line. The Ponceau stained transfers of each blot are shown to confirm equal protein loading. Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com).



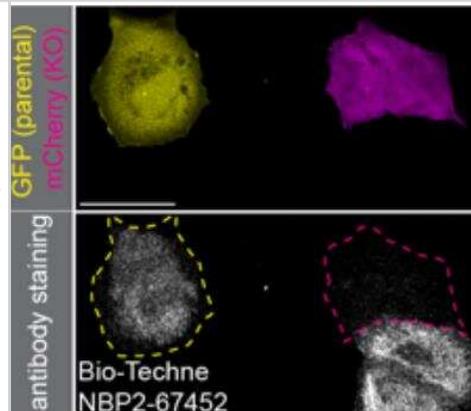
Immunohistochemistry-Paraffin: Plectin Antibody (SY29-04) [NBP2-67452] - Analysis of paraffin-embedded rat skeletal muscle tissue using anti-Plectin antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Plectin Antibody (SY29-04) [NBP2-67452] - Analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Plectin antibody. Counter stained with hematoxylin.



Knockout Validated: Plectin Antibody (SY29-04) [NBP2-67452] - Parental and KO cells were transfected with a GFP or mCherry plasmid, respectively. Both cell lines were mixed and plated to a 1:1 ratio on coverslips. Cells were stained with an anti-Plectin antibody and with the corresponding Alexa-fluor 647 coupled secondary antibody. Acquisition of the green (parental), red (KO) and far-red (antibody staining) channels was performed, and representative images are shown. Parental and KO cells are outlined with green and red dashed line, respectively. Grayscale images of the far-red channel are shown. Antibody dilution used: NBP2-67452 at 1/1000. Bars = 40 um. Images and testing courtesy of YCharOS Inc. (ycharos.com).





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

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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