

Product Datasheet

Lamin A + C R453W Antibody NBP1-77401SS

Unit Size: 0.025 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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NBP1-77401SS

Lamin A + C R453W Antibody (12A-2F5)

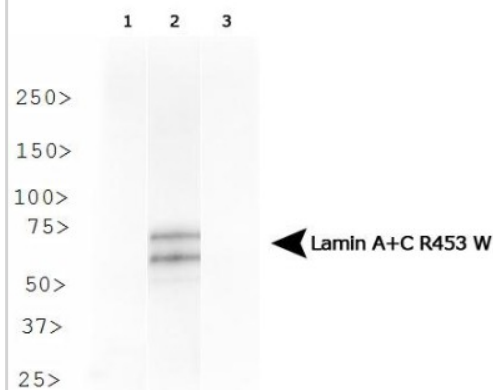
Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	12A-2F5
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	Tris-glycine, 150 mM NaCl

Product Description	
Host	Mouse
Gene ID	4000
Gene Symbol	LMNA
Species	Human
Species Reactivity	Human
Specificity/Sensitivity	Disease-associated point-mutant R453W of Lamin A + C
Immunogen	Synthetic peptide corresponding to amino acids 449-457 of human Lamin A + C [Accession#: NP_733821.1]

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
Recommended Dilutions	ELISA 1:100-1:2000, Immunocytochemistry/Immunofluorescence 1:10-1:2000, Immunoprecipitation 1:10-1:500, Western Blot 1:1000
Application Notes	This Lamin A + C R453W (12A-2F5) point-mutant specific antibody is useful for Western blot, ELISA, Immunoprecipitation and Immunocytochemistry/Immunofluorescence. In WB bands can be seen at 74kDa (Lamin A) and 65 kDa (Lamin C).

Images

Western Blot: Lamin A + C R453W Antibody (12A-2F5) [NBP1-77401] - Analysis of Lamin A + C R453W in HeLa cells transfected with Flag-tagged Lamin A 1) wild type, 2) R453W and 3) R482W.



Publications

Roblek M, Schuchner S, Huber V, Ollram K, Vlcek-Vesely S, Foisner R, Wehnert M, Ogris E. Monoclonal antibodies specific for disease-associated point-mutants: lamin A/C R453W and R482W. PLoS One. 5(5):e10604. 2010 May 13. [PMID: 20498701] (WB, IP, ICC/IF, Human)



Procedures

Western Blot Protocol Specific for NBP1-77401: Lamin A + C R453W Antibody (12A-2F5)

Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 40 ug of total protein per lane.
2. Transfer proteins to membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain according to standard Ponceau S procedure (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot.
5. Block the membrane using standard blocking buffer for at least 1 hour.
6. Wash the membrane in wash buffer three times for 10 minutes each.
7. Dilute primary antibody in blocking buffer and incubate 1 hour at room temperature.
8. Wash the membrane in wash buffer three times for 10 minutes each.
9. Apply the diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions.

*Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.





Novus Biologicals USA

8100 Southpark Way, A-8
Littleton, CO 80120
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Novus Biologicals Canada

461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

Novus Biologicals Europe

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@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

