

Product Datasheet

Nicotinic Acetylcholine R alpha 1/CHRNA1 Antibody (mAb 192) - Azide and BSA Free NBP2-81070-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

www.novusbio.com



technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-81070

Updated 10/19/2023 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-81070



NBP2-81070-0.2mg

Nicotinic Acetylcholine R alpha 1/CHRNA1 Antibody (mAb 192) - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	mAb 192
Preservative	0.02% Proclin 300
Isotype	IgG2b Kappa
Purity	Protein A purified
Buffer	PBS

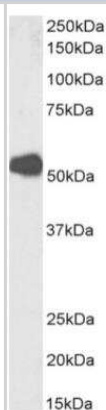
Product Description	
Host	Rat
Gene ID	1134
Gene Symbol	CHRNA1
Species	Human, Mouse, Rat
Specificity/Sensitivity	The antibody binds to human muscle AChR with a Kd of 10 pM, to mouse muscle AChR with a Kd of 50 pM, and to rat muscle AChR with a Kd of 646 nM.
Immunogen	Human muscle AChR.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
Application Notes	This antibody binds to the human muscle Acetylcholine receptor, which is a ligand-gated ion channel, transducing an action potential into the muscle cells. The antibody binds to the main immunogenic region (MIR) and prevents ligand-binding.

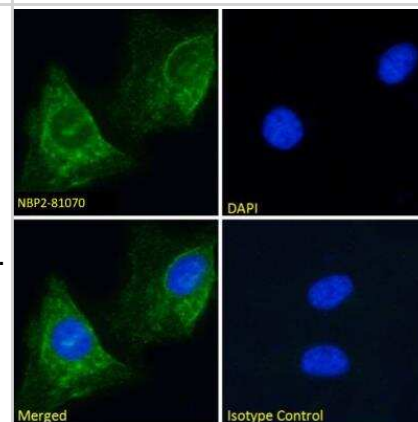


Images

Western Blot: Nicotinic Acetylcholine R alpha 1/CHRNA1 Antibody (mAb 192) [NBP2-81070] - Mouse skeletal muscle lysate (35ug protein in RIPA buffer) was resolved on a 10% SDS PAGE gel and blots probed with the chimeric mouse IgG1 version of mAb 192 at 0.03 ug/ml before detection using an anti-mouse IgG1 secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The predicted running size for AChR is 58.9 kDa. Chimeric mouse igG1 version of mAb 192 successfully detected AChR in mouse skeletal muscle tissue lysate. Though this antibody is targetted to the human AChR it also reacts with mouse AChR.



Immunocytochemistry/Immunofluorescence: Nicotinic Acetylcholine R alpha 1/CHRNA1 Antibody (mAb 192) [NBP2-81070] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix coverslips, permeabilized with 0.15% Triton and stained with the chimeric mouse IgG1 version of mAb 192 at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP2-81070, DAPI, merged channels and an isotype control. The isotype control was stained with an unknown specificity antibody followed by Alexa Fluor 488 secondary antibody.



Publications

Gupta R, Johnston TR, Chen VY et al. Human Motor Endplate Survival after Chronic Peripheral Nerve Injury medRxiv : the preprint server for health sciences 2023-10-14 [PMID: 37873401] (IHC-P, Human)



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 NBP2-81070-0.2mg

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP1-43323-0.5mg	Rat IgG2b Kappa Light Chain Isotype Control (149/10H5)
H00001134-Q01-10ug	Recombinant Human Nicotinic Acetylcholine R alpha 1/CHRNA1 GST (N-Term) Protein

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 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-81070

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

