

Product Datasheet

Dynactin Subunit 1/DCTN1 Antibody NB100-1110

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-1110

Updated 10/23/2024 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/NB100-1110



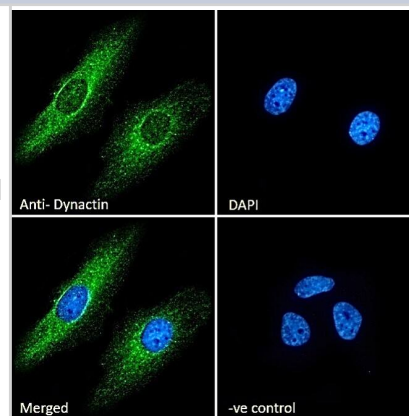
NB100-1110**Dynactin Subunit 1/DCTN1 Antibody**

| Product Information | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size | 0.1 mg |
| Concentration | 0.5 mg/ml |
| Storage | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA |
| Target Molecular Weight | 142 kDa |
| Product Description | |
| Host | Goat |
| Gene ID | 1639 |
| Gene Symbol | DCTN1 |
| Species | Human, Rabbit |
| Reactivity Notes | Rabbit reactivity reported in scientific literature (PMID: 19136602). |
| Specificity/Sensitivity | This antibody is expected to recognise all reported isoforms. |
| Immunogen | Peptide with sequence C-QEQLHQLHSRLIS, from the C Terminus of the protein sequence according to NP_004073.2; NP_075408.1; NP_001128512.1; NP_001128513.1; NP_001177765.1; NP_001177766.1. |
| Product Application Details | |
| Applications | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA, Proximity Ligation Assay |
| Recommended Dilutions | Western Blot 0.3-1 ug/ml, Flow Cytometry 10 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 6-7 ug/ml, Proximity Ligation Assay, Peptide ELISA Detection limit 1:16000 |
| Application Notes | WB: Approx. 150kDa band observed in HeLa and MCF7 cell lysates, and in preliminary testing of HEK293 and Mouse Brain lysate (calculated MW of 142kDa according to NP_004073.2). Primary incubation 1 hour at room temperature. Use in Proximity Ligation Assay reported in scientific literature (PMID: 30354839). |

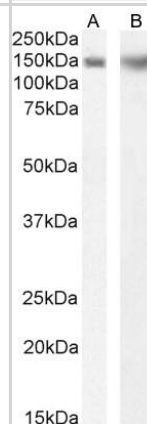


Images

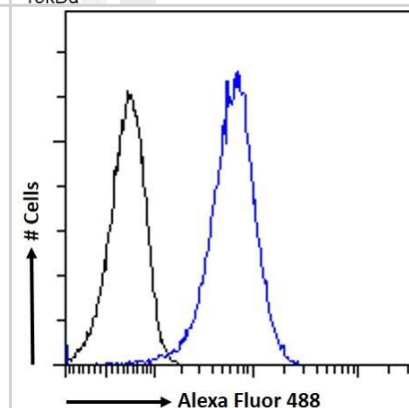
Immunocytochemistry/Immunofluorescence: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



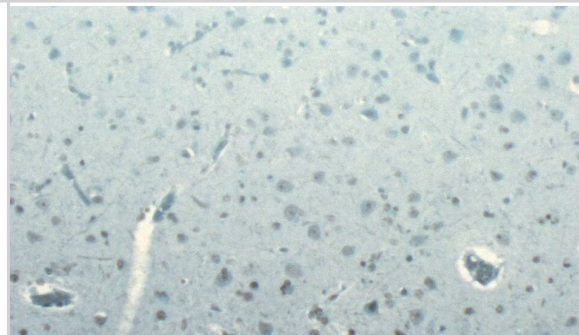
Western Blot: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - (1ug/ml) staining of HeLa (A) and (0.5ug/ml) MCF7 (B) cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



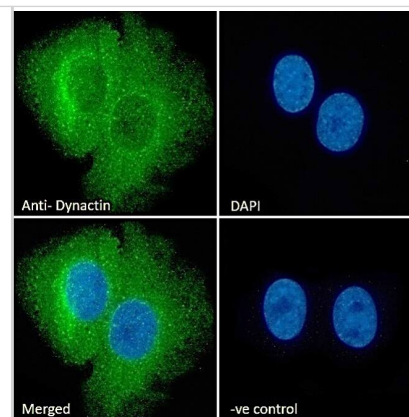
Flow Cytometry: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



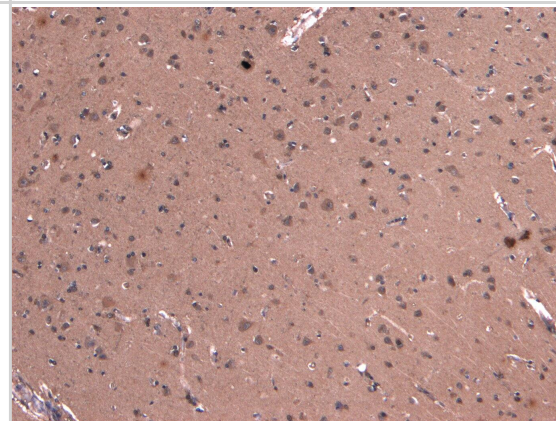
Immunohistochemistry-Paraffin: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.



Immunocytochemistry/Immunofluorescence: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry-Paraffin: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - (7ug/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Publications

Gasperini L, Rossi A, Cornella N et al. The hnRNP raly regulates PRMT1 expression and interacts with the ALS-linked protein FUS: implication for reciprocal cellular localization. *Mol. Biol. Cell.* 2018-10-24 [PMID: 30354839] (WB, PLA)

Holzbaur EL, Tokito MK. Localization of the DCTN1 gene encoding p150Glued to human chromosome 2p13 by fluorescence in situ hybridization. *Genomics* 1996-02-01 [PMID: 8838327]

Bupha-Intr T, Haizlip KM, Janssen PM. Temporal changes in expression of connexin 43 after load-induced hypertrophy in vitro. *Am J Physiol Heart Circ Physiol.* 2009-03-01 [PMID: 19136602] (WB, Rabbit)

Details:

WB (rabbit heart tissue), Figs. 2A,B; 3A,B; 4A,B; 6A.



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 NB100-1110

| | |
|-----------------|------------------------------------------------------------------------|
| NBL1-09749 | Dynactin Subunit 1/DCTN1 Overexpression Lysate |
| HAF017 | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109 | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg | Goat 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.

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/NB100-1110

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



