

Product Datasheet

Dynactin Subunit 1/DCTN1 Antibody NB100-1110

Unit Size: 0.1 mg

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

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NB100-1110

Dynactin Subunit 1/DCTN1 Antibody

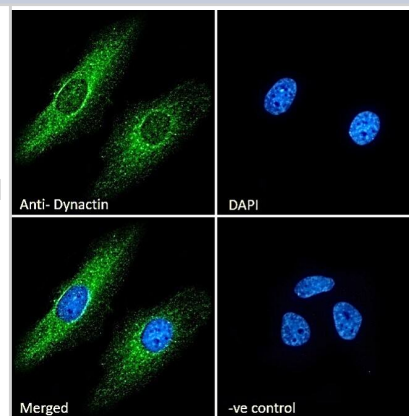
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	142 kDa

Product Description	
Description	Novus Biologicals Goat Dynactin Subunit 1/DCTN1 Antibody (NB100-1110) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Dynactin Subunit 1/DCTN1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, 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

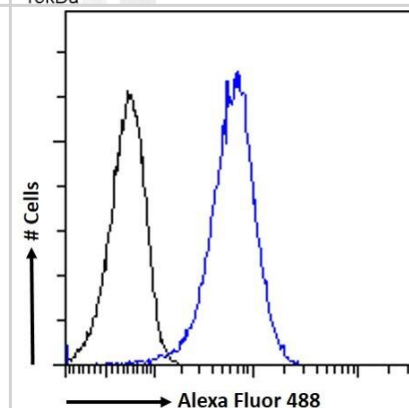
Immunocytochemistry/Immunofluorescence: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining.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



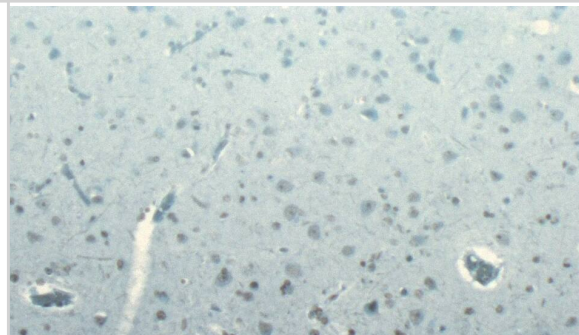
Western Blot: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - (1ug/ml) staining of HeLa (A) and (0.5ug/ml) MCF7 (B) cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



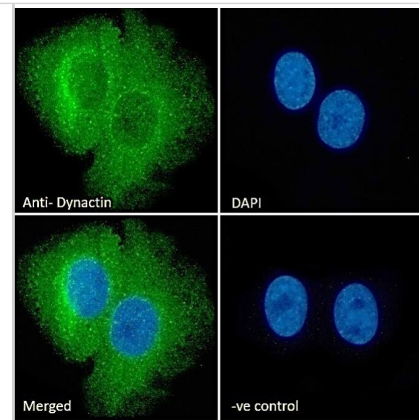
Flow Cytometry: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black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



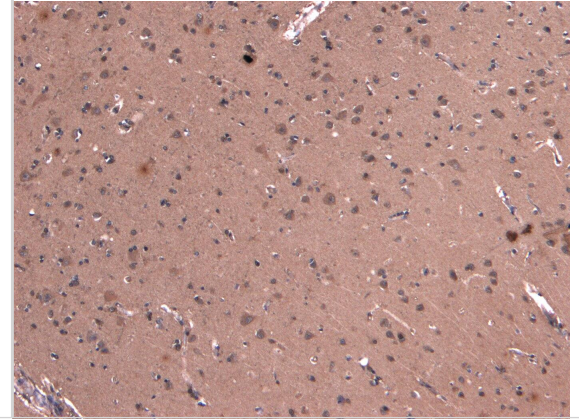
Immunohistochemistry-Paraffin: Dynactin Subunit 1/DCTN1 Antibody [NB100-1110] - Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.



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.



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Products Related to NB100-1110

NBL1-09749	Dynactin Subunit 1/DCTN1 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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.

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