

# Product Datasheet

## Dynactin Subunit 2/DCTN2/DCTN-50 Antibody - BSA Free NBP1-85277

Unit Size: 0.1 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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**NBP1-85277**

Dynactin Subunit 2/DCTN2/DCTN-50 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	10540
<b>Gene Symbol</b>	DCTN2
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: RWSPIASTLPELVQRLVTIKQLHEQAMQFGQLLTHLDTTQQMIANSCLKDNTLLT QVQTTMRENLATVEGNFASIDERMKKL

**Product Application Details**

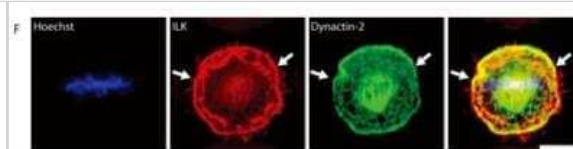
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:2500 - 1:5000, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF and WB reactivity reported in (PMID: 25669897).

**Images**

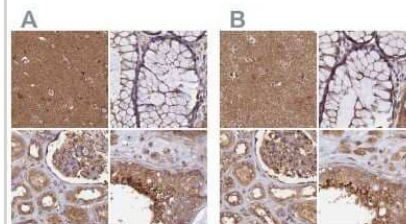
Western Blot: Dynactin Subunit 2/DCTN2/DCTN-50 Antibody [NBP1-85277] - Quantification of Dynactin-2 knockdown in HeLa cells by Western Blot. Western blots were cropped as indicated (black boxes). For all samples, SDS-PAGE and Western blotting were performed under the same experimental conditions. n:20 for each condition. \* =  $p < 0.05$ ; \*\* =  $p < 0.01$ . Scale bar 10 um. Error bars represent SEM. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/srep08389>) licensed under a CC-BY license.



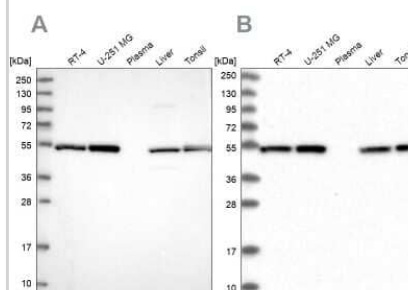
**Immunocytochemistry/Immunofluorescence: Dynactin Subunit 2/DCTN2/DCTN-50 Antibody [NBP1-85277]** - Dynactin-2 is part of the linker arm for the molecular motor Dynein. ILK and Dynactin-2 colocalize at the basal cortex but not at the spindle. of a metaphase cell. Scale bar 10  $\mu$ m. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/srep08389>) licensed under a CC-BY license.



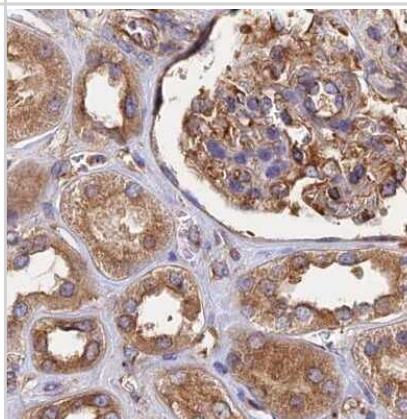
**Immunohistochemistry-Paraffin: Dynactin Subunit 2/DCTN2/DCTN-50 Antibody [NBP1-85277]** - Staining of human cerebral cortex, colon, kidney and testis using Anti-DCTN2 antibody NBP1-85277 (A) shows similar protein distribution across tissues to independent antibody NBP1-85278 (B).



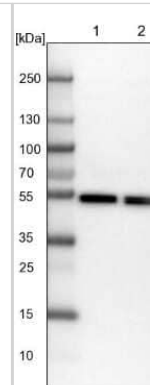
**Western Blot: Dynactin Subunit 2/DCTN2/DCTN-50 Antibody [NBP1-85277]** - Analysis using Anti-DCTN2 antibody NBP1-85277 (A) shows similar pattern to independent antibody NBP1-85278 (B).



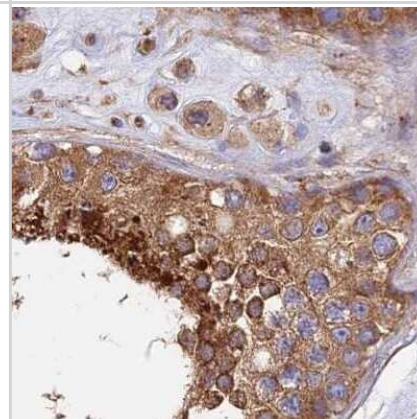
**Immunohistochemistry-Paraffin: Dynactin Subunit 2/DCTN2/DCTN-50 Antibody [NBP1-85277]** - Staining of human kidney.



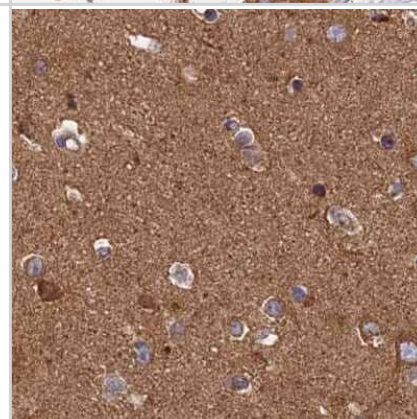
Western Blot: Dynactin Subunit 2/DCTN2/DCTN-50 Antibody [NBP1-85277] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



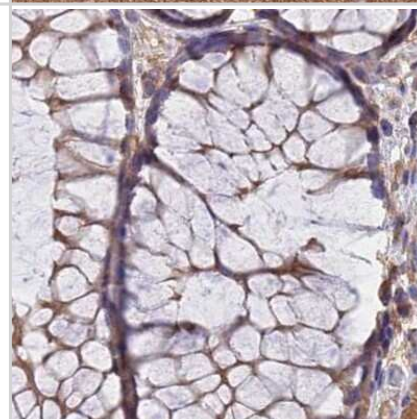
Immunohistochemistry-Paraffin: Dynactin Subunit 2/DCTN2/DCTN-50 Antibody [NBP1-85277] - Staining of human testis.



Immunohistochemistry-Paraffin: Dynactin Subunit 2/DCTN2/DCTN-50 Antibody [NBP1-85277] - Staining of human cerebral cortex.



Immunohistochemistry-Paraffin: Dynactin Subunit 2/DCTN2/DCTN-50 Antibody [NBP1-85277] - Staining of human colon.



## Publications

Morris EJ, Assi K, Salh B, Dedhar S. Integrin-Linked Kinase links Dynactin-1/Dynactin-2 with cortical Integrin receptors to orient the mitotic spindle relative to the substratum Sci Rep. 2015-02-11 [PMID: 25669897] (ICC/IF, WB, Human)



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### **Products Related to NBP1-85277**

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NBP1-85277PEP	Dynactin Subunit 2/DCTN2/DCTN-50 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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