

Datasheet for ABIN184834

anti-Dynactin 1 antibody (C-Term)



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7 Images

1 Publication

Overview

Quantity:	100 µg
Target:	Dynactin 1 (DCTN1)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Dynactin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Dynactin
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.
Sequence:	QEQLHQLHSR LIS
Isotype:	IgG
Specificity:	This antibody is expected to recognise all reported isoforms.
Cross-Reactivity:	Human, Mouse
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target: Dynactin 1 (DCTN1)

Alternative Name: DCTN1 ([DCTN1 Products](#))

Background: DCTN1, dynactin 1 (p150, glued homolog, Drosophila), P135, DP-150, DAP-150, p150-glued, p150, Glued (Drosophila) homolog, 150 kDa dynein-associated polypeptide, dynactin 1 (p150, Glued (Drosophila) homolog), HMN7B, OTTHUMP00000202491, dynactin 1, p150, GI

Gene ID: 1639, 13191

NCBI Accession: [NP_004073](#), [NP_075408](#), [NP_001128512](#), [NP_001128513](#), [NP_001177765](#), [NP_001177766](#)

Pathways: [M Phase](#), [ER-Nucleus Signaling](#)

Application Details

Application Notes: Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 6-7 µg/mL.
Western Blot: Approx. 150 kDa band observed in HeLa and MCF7 cell lysates, and in preliminary testing of HEK293 and Mouse Brain lysate (calculated MW of 142 kDa according to NP_004073.2). Recommended concentration 0.3-1 µg/mL. Primary incubation 1 hour at
Peptide ELISA: antibody detection limit dilution 1:16000.

Comment: **Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HeLa cells and additionally the nucleus of U2OS cells.. Recommended concentration: 10µg/ml.
Flow Cytometry: Flow cytometric analysis of HeL

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Handling Advice: Minimize freezing and thawing.

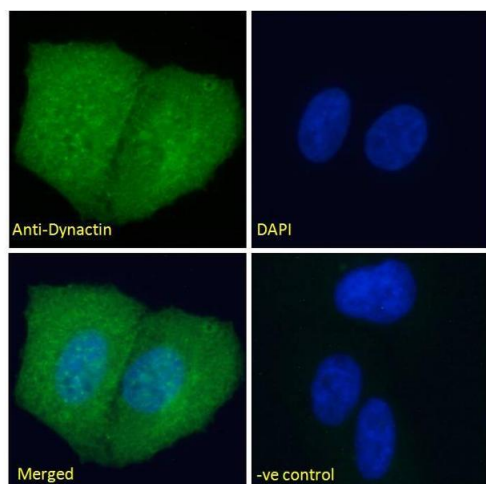
Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

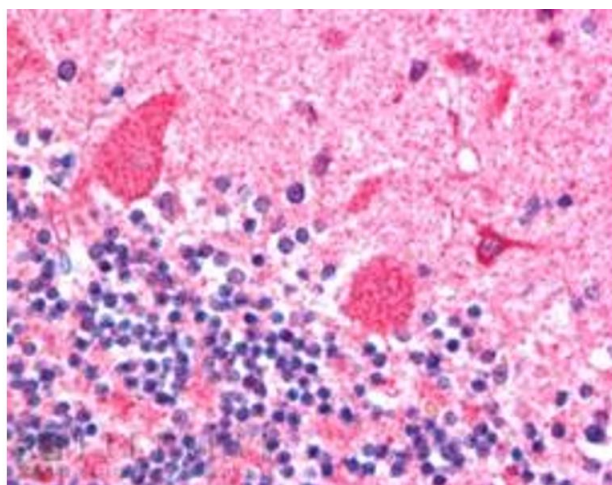
Product cited in: Bupha-Intr, Haizlip, Janssen: "Temporal changes in expression of connexin 43 after load-induced hypertrophy in vitro." in: **American journal of physiology. Heart and circulatory physiology**, Vol. 296, Issue 3, pp. H806-14, (2009) ([PubMed](#)).

Images



Immunofluorescence

Image 1. ABIN184834 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 staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry

Image 2. ABIN184834 (2.5µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blotting

Image 3. ABIN184834 staining (1µg/ml) of Human Testis lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN184834.