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Research Use Only. Not for diagnostic or therapeutic use.

EB05639 - Goat Anti-Dynactin Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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, Glued homolog

Official Symbol: DCTN1

Accession Number(s): NP_004073.2; NP_075408.1; NP_001128512.1;

NP_001128513.1; NP_001177765.1; NP_001177766.1

Human GenelD(s): 1639

Non-Human GenelD(s): 13191 (mouse)

Important Comments: 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_001177765.1; NP_001177766.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: 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). Recommended concentration 0.3-1μg/ml. Primary incubation 1 hour at room temperature.

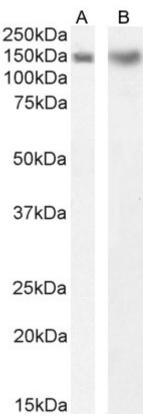
IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 6-7µg/ml.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

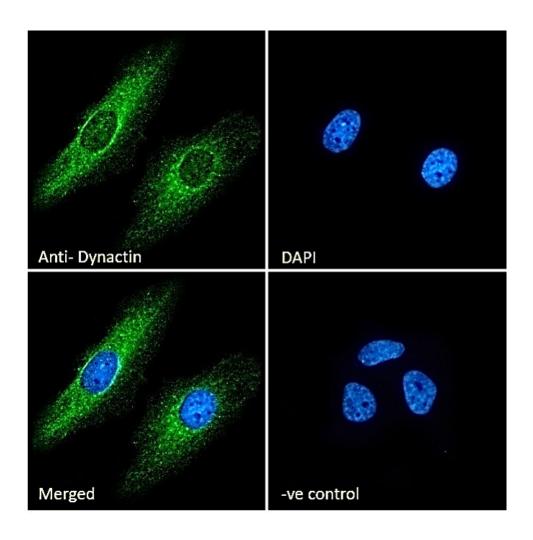
Species Reactivity

Tested: Human

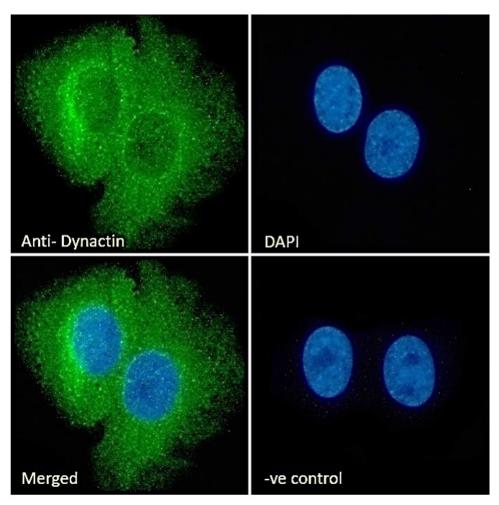
Expected from sequence similarity: Human, Mouse



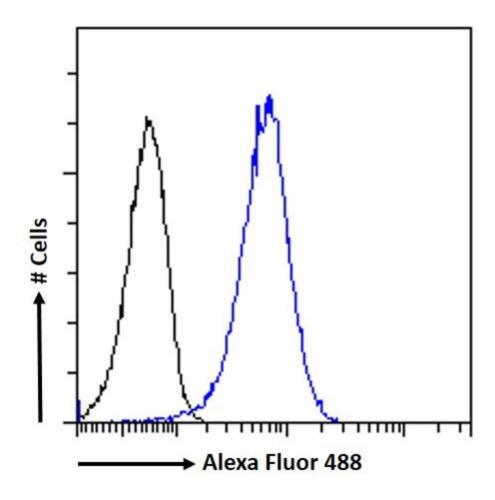
EB05639 (1 μ g/ml) staining of HeLa (A) and (0.5 μ g/ml) MCF7 (B) cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB05639 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).

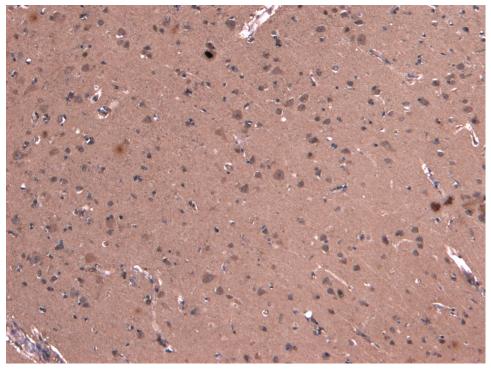


EB05639 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

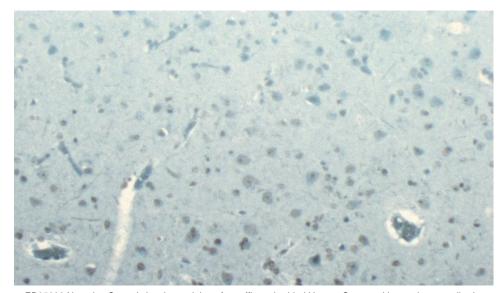


EB05639 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB05639 (7µg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\sf EB05639\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Cortex,\ with\ no\ primary\ antibody.}$