



Dynactin 1 monoclonal antibody

Catalog: MB66476

Host: Mouse

Reactivity: Human

BackGround:

Cytoplasmic dynein is a multi-subunit motor complex that regulates microtubule organization as well as the transport and positioning of organelles. Dynactin is a multi-subunit dynein-activating complex, which regulates the interaction of the dynein motor with various cellular cargoes, and enhances dynein's processivity. p150Glued/DCTN1/Dynactin 1 is the largest subunit of the dynactin complex. In mitosis, cytoplasmic dynein regulates spindle organization, chromosome movement and centrosome separation. The dynactin subunit p150Glued is phosphorylated at serine 19 by the mitotic kinase aurora A during anaphase, and this phosphorylation is required for the appropriate regulation of spindle assembly. In neurons, axonal transport is important for cellular function and survival. Dysfunction and mutations in dynein and dynactin subunits, including p150Glued, have been linked to human neurodegenerative diseases such as Alzheimer's Disease, Perry Syndrome and ALS.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

~ 150 kDa

Swiss-Prot:

Q14203

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IP (1/10 - 1/50)

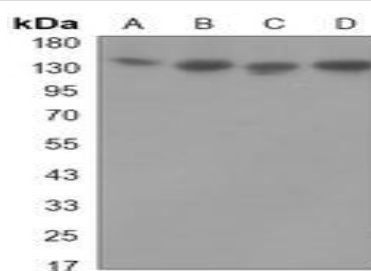
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of Dynactin 1 protein.

DATA:



Western blot analysis of Dynactin 1 expression in K562 (A), MCF7 (B), 293T (C), HeLa (D) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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