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Anti-Dynactin p50 Antibody

Catalog # AP51160

Product Information

Application	WB, IHC
Primary Accession	Q13561
Reactivity	Human, Mouse, Rat, Rabbit, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44231

Additional Information

Gene ID	10540
Other Names	DCTN50; Dynactin subunit 2; 50 kDa dynein-associated polypeptide; Dynactin complex 50 kDa subunit; DCTN-50; p50 dynamitin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Dynactin p50. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

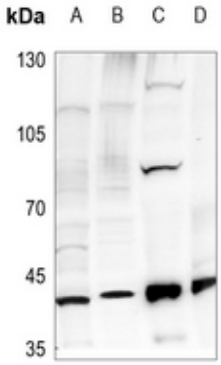
Protein Information

Name	DCTN2 (HGNC:2712)
Synonyms	DCTN50
Function	Part of the dynactin complex that activates the molecular motor dynein for ultra-processive transport along microtubules. In the dynactin soulder domain, binds the ACTR1A filament and acts as a molecular ruler to determine the length (By similarity). Modulates cytoplasmic dynein binding to an organelle, and plays a role in prometaphase chromosome alignment and spindle organization during mitosis. Involved in anchoring microtubules to centrosomes. May play a role in synapse formation during brain development (By similarity).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:A0A5G2QD80}

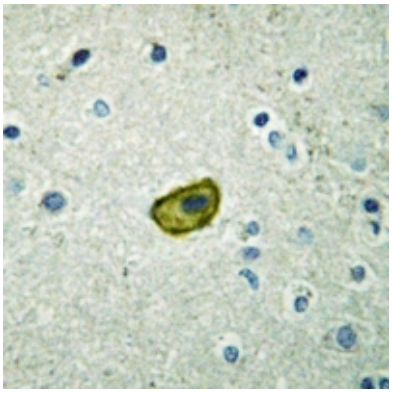
References

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Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).

Images



Western blot analysis of Dynactin p50 expression in U87MG (A), EC9706 (B), mouse pancreas (C), rat heart (D) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 44 kD)



Immunohistochemical analysis of Dynactin p50 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.