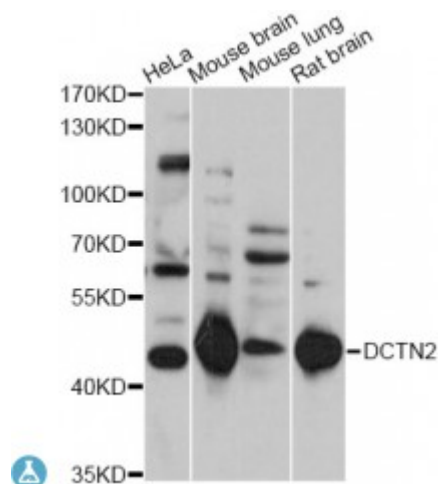


Anti-DCTN2 Antibody



Description

This gene encodes a 50-kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 4-5 copies per dynactin molecule. It contains three short alpha-helical coiled-coil domains that may mediate association with self or other dynactin subunits. It may interact directly with the largest subunit (p150) of dynactin and may affix p150 in place. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Model	STJ117041
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 280-401 of human DCTN2 (NP_006391.1).
Gene ID	10540
Gene Symbol	DCTN2
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Dynactin subunit 2 50 kDa dynein-associated polypeptide Dynactin complex 50 kDa subunit DCTN-50 p50 dynamitin
Molecular Weight	44.231 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2712OMIM:607376Reactome:R-HSA-2132295
Alternative Names	Dynactin subunit 2 50 kDa dynein-associated polypeptide Dynactin complex 50 kDa subunit DCTN-50 p50 dynamitin
Function	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
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

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