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DCTN3 Antibody

Rabbit mAb
Catalog # AP92477

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	O75935
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	DCNT22; DCTN22; Dctn3; dynactin 3 (p22); dynactin light chain; Dynactin subunit 3; p22;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	21119

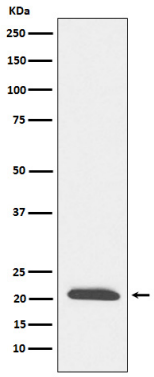
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human DCTN3
Description	Together with dynein may be involved in spindle assembly and cytokinesis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	DCTN3 {ECO:0000312|EMBL:CAG46687.1}
Synonyms	DCTN22
Function	Part of the dynactin complex that activates the molecular motor dynein for ultra-processive transport along microtubules (By similarity). Together with dynein may be involved in spindle assembly and cytokinesis (PubMed:9722614).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle. Cleavage furrow. Midbody Note=Localizes to punctate cytoplasmic structures and to the centrosome during interphase, and to kinetochores and to spindle poles throughout mitosis. Colocalizes with dynein to the cleavage furrow and to midbody of dividing cells
Tissue Location	Ubiquitously expressed. Highly expressed in muscle and pancreas and detected at lower levels in brain

Images



Western blot analysis of DCTN3 expression in SH-SY5Y cell lysate.