DCTN4 Monoclonal Antibody

Catalog No	YP-mAb-05543
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DCTN4
Protein Name	Dynactin subunit 4 (Dyn4) (Dynactin subunit p62)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	DCTN4 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	50kD
Cell Pathway	Cytoplasm, cytoskeleton . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, stress fiber . Cytoplasm, cell cortex . Cytoplasm, myofibril, sarcomere . Has a punctate cytoplasmic distribution as well as centrosomal distribution typical of dynactin (PubMed:10671518). Overexpression in cultured mammalian cells revealed colocalization with cortical actin, stress fibers, and focal adhesion sites, sites of potential interaction between microtubules and the cell cortex (By similarity). In skeletal muscles, costamere localization requires the presence of ANK2 (By similarity). .
Tissue Specificity	Amygdala,Brain,Neuron,Testis,
Function	function:Could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton.,similarity:Belongs to the dynactin subunit 4 family.,subcellular location:Has a punctate cytoplasmic distribution as well as centrosomal distribution typical of dynactin. Overexpression does not disrupt microtubule organization or the integrity of the Golgi but does cause both cytosolic and nuclear distribution, suggesting that this polypeptide may be targeted to the nucleus at very high expression levels.,subunit:Member of the pointed-end complex of the dynactin shoulder complex which contains DCTN4, DCTN5 and DCTN6 subunits

	and ACTR10 (By similarity). Binds directly to the ACTR1A subunit of dynactin.,
Background	function:Could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton.,similarity:Belongs to the dynactin subunit 4 family.,subcellular location:Has a punctate cytoplasmic distribution as well as centrosomal distribution typical of dynactin. Overexpression does not disrupt microtubule organization or the integrity of the Golgi but does cause both cytosolic and nuclear distribution, suggesting that this polypeptide may be targeted to the nucleus at very high expression levels.,subunit:Member of the pointed-end complex of the dynactin shoulder complex which contains DCTN4, DCTN5 and DCTN6 subunits and ACTR10 (By similarity). Binds directly to the ACTR1A subunit of dynactin.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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