



# DCTN4 Monoclonal Antibody

<b>Catalog No</b>	BYmab-05543
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	DCTN4
<b>Protein Name</b>	Dynactin subunit 4 (Dyn4) (Dynactin subunit p62)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	DCTN4 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	50kD
<b>Cell Pathway</b>	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). .
<b>Tissue Specificity</b>	Amygdala,Brain,Neuron,Testis,
<b>Function</b>	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

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	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.

## Products Images