

DCTN4 Polyclonal Antibody

Catalog No :	YN0669
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	DCTN4
Fields :	>>Vasopressin-regulated water reabsorption;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Pathways of neurodegeneration - multiple diseases;>>Salmonella infection
Gene Name :	DCTN4
Protein Name :	Dynactin subunit 4 (Dyn4) (Dynactin subunit p62)
Human Gene Id :	51164
Human Swiss Prot No :	Q9UJW0
Mouse Swiss Prot No :	Q8CBY8
Rat Swiss Prot No :	Q9QUR2
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	DCTN4 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15 °C to -25 °C/1 year(Do not lower than -25 °C)
Observed Band :	50kD
Cell Pathway :	Huntington's disease;
Background :	<p>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.,</p>
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Subcellular Location :	<p>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). .</p>
Expression :	Amygdala,Brain,Neuron,Testis,

Products Images