

DCTN1 monoclonal antibody (M02), clone 2E4-1C2

Catalog # H00001639-M02

Size 100 ug

Applications



Western Blot detection against Immunogen (47.52 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant DCTN1.
Immunogen	DCTN1 (AAH06163, 1 a.a. ~ 198 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPGPGLVKDSPLLLQQISAMRLHISQLQHENSILKGAQMKASLASLPPLHVAKLSHEGPGSELPA GALYRKTSQQLLETNLNQLSTHSHVVDITRTSPAAKSPSAQLMEQVAQLKSLSDTVEKLKDEVVKETV SQRPGATVPTDFATFPSSAFLRAKEEQDDTVYMGKVTFSCAAGFGQRHRLVLTQEQLHQLHSR LIS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93)
Isotype	IgG1 Lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47.52 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — DCTN1

Entrez GeneID	1639
GeneBank Accession#	BC006163
Protein Accession#	AAH06163
Gene Name	DCTN1
Gene Alias	DAP-150, DP-150, HMN7B, P135
Gene Description	dynactin 1 (p150, glued homolog, Drosophila)
Omim ID	105400 601143 607641
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the largest subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. Dynactin 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 interacts with dynein intermediate chain by its domains directly binding to dynein and binds to microtubules via a highly conserved glycine-rich cytoskeleton-associated protein (CAP-Gly) domain in its N-terminus. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. Mutations in this gene cause distal hereditary motor neuropathy type VIIIB (HMN7B) which is also known as distal spinal and bulbar muscular atrophy (dSBMA). [provided by RefSeq]
Other Designations	150 kDa dynein-associated polypeptide dynactin 1 p150, Glued homolog p150-glued

Disease

- [Amyotrophic lateral sclerosis](#)
- [Dementia](#)

- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Parkinson disease](#)