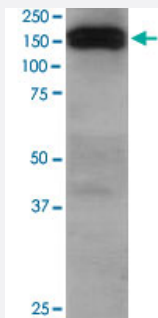


DCTN1 polyclonal antibody

Catalog # PAB6249

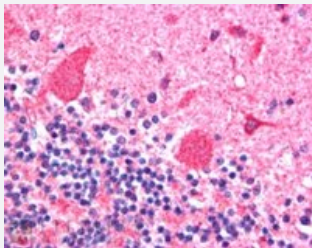
Size 100 ug

Applications



Western Blot (Tissue lysate)

DCTN1 polyclonal antibody (Cat # PAB6249) staining (1 ug/mL) of human testis lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

DCTN1 polyclonal antibody (Cat # PAB6249) (2.5 ug/mL) staining staining of paraffin embedded human cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of DCTN1.
Immunogen	A synthetic peptide corresponding to C-terminus of human DCTN1.
Sequence	C-QEQLHQLHSRLIS
Host	Goat
Theoretical MW (kDa)	142, 127, 139, 127
Reactivity	Human, Mouse

Specificity	This antibody is expected to recognise all reported isoforms (NP_004073.2; NP_075408.1; NP_001128512.1; NP_001128513.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Western Blot (0.5-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

DCTN1 polyclonal antibody (Cat # PAB6249) staining (1 ug/mL) of human testis lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

DCTN1 polyclonal antibody (Cat # PAB6249) (2.5 ug/mL) staining of paraffin embedded human cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DCTN1

Entrez GeneID	1639
Protein Accession#	NP_004073.2;NP_075408.1;NP_001128512.1;NP_001128513.1
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

Publication Reference

- [Localization of the DCTN1 gene encoding p150Glued to human chromosome 2p13 by fluorescence in situ hybridization.](#)

Holzbaumer EL, Tokito MK.

Genomics 1996 Feb; 31(3):398.

Disease

- [Amyotrophic lateral sclerosis](#)
- [Dementia](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Parkinson disease](#)