

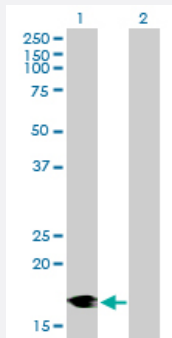
MaxPab®

DCTN3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00011258-B01P

Size 50 ug

Applications

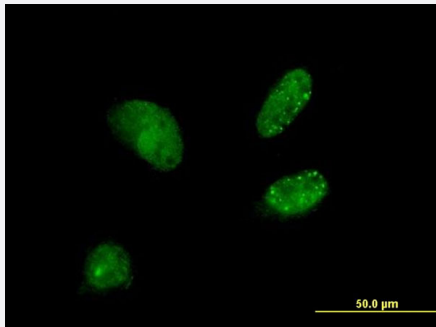


Western Blot (Transfected lysate)

Western Blot analysis of DCTN3 expression in transfected 293T cell line ([H00011258-T01](#)) by DCTN3 MaxPab polyclonal antibody.

Lane 1: DCTN3 transfected lysate (19.36 kDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DCTN3 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human DCTN3 protein.
Immunogen	DCTN3 (NP_077324.1, 1 a.a. ~ 176 a.a) full-length human protein.
Sequence	MAGLTDLQRLQARVEELERWVYGGGARGSRKVADGLVKVQVALGNISSKRERVKILYKKIEDLIK YLDPEYIDRIAIPDASKLQFILAEQFILSQVALLEQVNALVPM LDSAHKAVPEHAARLQRLAQIHIQ QQAPWGVGVGRDEAGSLVEDVGFAQFLSVLHFGPTGPPVCGNH
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (86)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Transfected lysate)

Western Blot analysis of DCTN3 expression in transfected 293T cell line ([H00011258-T01](#)) by DCTN3 MaxPab polyclonal antibody.

Lane 1: DCTN3 transfected lysate(19.36 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DCTN3 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — DCTN3

Entrez GeneID	11258
GeneBank Accession#	NM_024348
Protein Accession#	NP_077324.1
Gene Name	DCTN3
Gene Alias	DCTN-22, DCTN22, MGC111190
Gene Description	dynactin 3 (p22)
Omim ID	607387
Gene Ontology	Hyperlink

Gene Summary

This gene encodes the smallest 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. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, cytokinesis, chromosome movement, nuclear positioning, and axonogenesis. This subunit, like most other dynactin subunits, exists only as a part of the dynactin complex. It is primarily an alpha-helical protein with very little coiled coil, and binds directly to the largest subunit (p150) of dynactin. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq]

Other Designations

OTTHUMP00000021292|OTTHUMP00000021293|OTTHUMP00000045394|dynactin 3|dynactin 3, isoform 1|dynactin light chain

Publication Reference

- [Conformational diversity of dynactin sidearm and domain organization of its subunit p150.](#)

Saito K, Murayama T, Hata T, Kobayashi T, Shibata K, Kazuno S, Fujimura T, Sakurai T, Toyoshima YY.

Molecular Biology of the Cell 2020 Jun; 31(12):1218.