

DCTN2 rabbit monoclonal antibody

Catalog # H00010540-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human DCTN2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human DCTN2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human DCTN2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — DCTN2

Entrez GeneID [10540](#)

GeneBank Accession# [DCTN2](#)

Gene Name DCTN2

Gene Alias DCTN50, DYNAMITIN, RBP50

Gene Description dynactin 2 (p50)

Omim ID [607376](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a 50-kD subunit of dynactin, a macromolecular complex consisting of 10-11 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, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 4-5 copies per dynactin molecule. It contains three short alpha-helical coiled-coil domains that may mediate association with self or other dynactin subunits. It may interact directly with the largest subunit (p150) of dynactin and may anchor p150 in place. [provided by RefSeq]

Other Designations 50 kD dynein-associated polypeptide|dynactin 2|dynactin complex 50 kD subunit