

## Product datasheet for **AP51207PU-N**

### Dynamitin (DCTN2) (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Immunohistochemistry on Paraffin Sections:</b> 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 191-219 amino acids from the Central region of Human Dynactin subunit 2.
Specificity:	This antibody recognizes Human Dynactin subunit 2 (Center).
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dynactin subunit 2
Database Link:	<a href="#">Entrez Gene 10540 Human Q13561</a>



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**Background:**

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 affix p150 in place.

**Synonyms:**

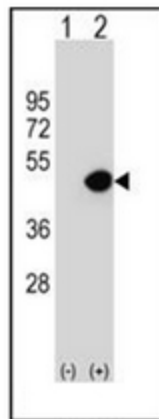
DCTN2, DCTN50, Dynactin 2, p50 dynamitin, RBP50

**Note:**

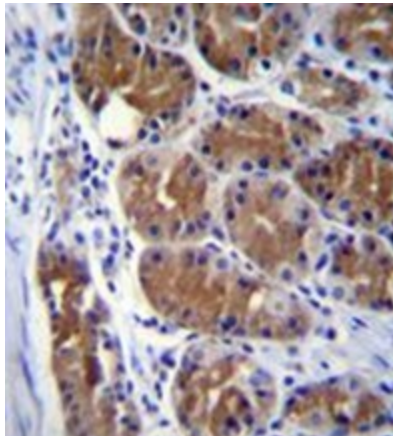
**Molecular Weight:** 44231 Da

**Protein Pathways:**

Huntington's disease

**Product images:**

Western blot analysis of DCTN2 (arrow) using Dynactin subunit 2 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DCTN2 gene.



Formalin fixed and paraffin embedded human stomach tissue stained with Dynactin subunit 2 Antibody followed by peroxidase conjugation of the secondary antibody and DAB staining