

Datasheet for ABIN952005
anti-Dynamitin antibody (Middle Region)



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2 Images

Overview

Quantity:	0.4 mL
Target:	Dynamitin (DCTN2)
Binding Specificity:	AA 191-219, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamitin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 191-219 amino acids from the Central region of Human Dynactin subunit 2. Genename: DCTN2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Dynactin subunit 2 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	Dynamitin (DCTN2)
Alternative Name:	Dynactin Subunit 2 (DCTN2 Products)

Target Details

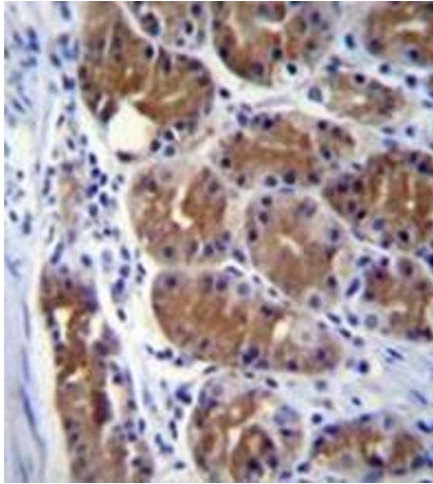
Background:	This gene encodes a 50-kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the 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: 50 kDa dynein-associated polypeptide, DCTN2, DCTN50, Dynactin 2, Dynactin complex 50 kDa subunit, RBP50, p50 dynamitin
Molecular Weight:	44231 Da
Gene ID:	10540
NCBI Accession:	NP_006391
Pathways:	M Phase, Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

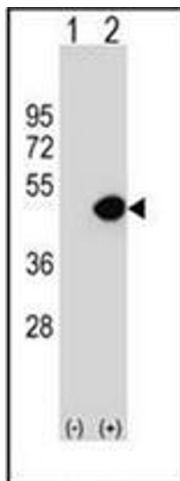
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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



Western Blotting

Image 2. 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.