

Rabbit p50 Dynamitin Polyclonal Antibody | anti-DCTN2 antibody

p50 Dynamitin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320873	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

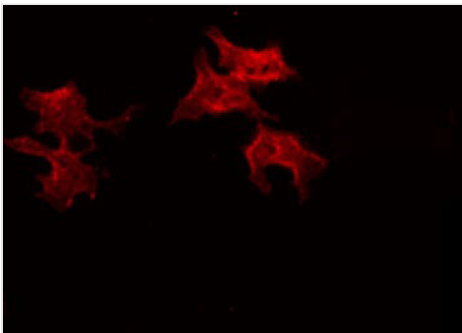
PRODUCT SYNONYMS

p50 Dynamitin; Polyclonal Antibody; p50 Dynamitin Antibody; 50 kD dynein associated polypeptide; 50 kDa dynein associated polypeptide; 50 kDa dynein-associated polypeptide; DCTN-50; DCTN2; DCTN2_HUMAN; DCTN50; dynactin 2 (p50); dynactin 2; dynactin complex 50 kD subunit; Dynactin complex 50 kDa subunit; Dynactin subunit 2; DYNAMITIN; p50 dynamitin; RBP50; anti-DCTN2 antibody

PRODUCT SPECIFICATIONS

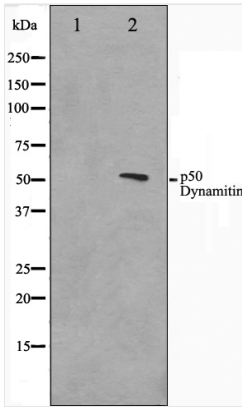
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	p50 Dynamitin antibody detects endogenous levels of total p50 Dynamitin
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	403
Applicable Applications for anti-DCTN2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human p50 Dynamitin
Subcellular Location	Cytoplasm > Cytoskeleton > Centrosome. Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Zebrafish (82%), Bovine (83%), Horse (83%), Sheep (83%), Rabbit (100%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA320873 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on A549 cell lysate using p50 Dynamitin Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DCTN2 antibody

Function: Modulates cytoplasmic dynein binding to an organelle, and plays a role in prometaphase chromosome alignment and spindle organization during mitosis. Involved in anchoring microtubules to centrosomes. May play a role in synapse formation during brain development.
Subunit Structure: Subunit of dynactin, a multiprotein complex associated with dynein. Interacts with BICD2 and CEP135 (By similarity). Interacts with DYNAP (PubMed:20978158). Interacts with ECPAS (PubMed:20682791). Interacts with MAPRE1 (PubMed:10226031).
Similarity: Belongs to the dynactin subunit 2 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	387527972
NCBI GeneID	10540
NCBI Accession #	NP_001248341.1
NCBI GenBank Nucleotide #	NM_001261412.1
UniProt Accession #	Q13561; Q86YN2; Q9BW17; B2RBK5
Molecular Weight	Observed: 50 kDa Predicted: 45 kDa
NCBI Official Full Name	dynactin subunit 2 isoform 2
NCBI Official Synonym Full Names	dynactin subunit 2
NCBI Official Symbol	DCTN2
NCBI Official Synonym Symbols	RBP50; DCTN50; HEL-S-77; DYNAMITIN
NCBI Protein Information	dynactin subunit 2
UniProt Protein Name	Dynactin subunit 2
UniProt Gene Name	DCTN2
UniProt Synonym Gene Names	DCTN50; DCTN-50

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.