DCTN4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DCTN4, Polyclonal Antibody
Full Product Name	DCTN4 Antibody, HRP conjugated
Product Gene Name	anti-DCTN4 antibody
Product Synonym Names	Dynactin subunit 4; Dyn4; DCTN4; Dynactin subunit p62
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	>95%, Protein G Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: DCTN4 (MBS1492190) HRP Conjugated Antibody: DCTN4 (MBS1494216)
Molecular Weight	53,152 Da
OMIM	614758
3D Structure	ModBase 3D Structure for Q9UJW0
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	HRP
Immunogen	Recombinant human Dynactin subunit 4 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-12239 / sc-12241 / sc-25730
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DCTN4 antibody	ELISA (EIA)
Related Product Information for anti-DCTN4 antibody	Could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton.
Other Notes	Small volumes of anti-DCTN4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DCTN4 purchase	MBS1494216 is an antibody targeting DCTN4. Also known as DCTN4 Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DCTN4. It may not necessarily be applicable to this product.

NCBI GI #	208431793

NCBI GeneID	51164
NCBI Accession #	NP_001129115.1
UniProt Primary Accession #	Q9UJW0
UniProt Secondary Accession #	Q8TAN8; B3KWW0; D3DQH0; E5RGT5
UniProt Related Accession #	Q9UJW0
GenBank Nucleotide #	NM_001135643.1
NCBI Official Full Name	dynactin subunit 4 isoform a
NCBI Official Synonym Full Names	dynactin subunit 4
NCBI Official Symbol	DCTN4
NCBI Official Synonym Symbols	P62; DYN4
UniProt Protein Name	Dynactin subunit 4
UniProt Synonym Protein Names	Dynactin subunit p62
Protein Family	Dynactin
UniProt Gene Name	DCTN4
UniProt Synonym Gene Names	Dyn4
UniProt Entry Name	DCTN4_HUMAN
NCBI Protein Information	dynactin subunit 4
UniProt Comments for DCTN4	dynactin 4: Could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton. Belongs to the dynactin subunit 4 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Motor; Microtubule-binding; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 5q33.1 Cellular Component: centrosome; cytoplasm; cytoplasmic dynein complex; cytosol; dynactin complex; nucleus Molecular Function: protein binding; protein N-terminus binding Biological Process: antigen processing and presentation of exogenous peptide antigen via MHC class II; cellular protein metabolic process; ER to Golgi vesicle-mediated transport; nuclear migration; post-translational protein modification; protein amino acid N-linked glycosylation via asparagine
Research Articles on DCTN4	**1.** used an extreme phenotype study to discover that variants in DCTN4, encoding a dynactin protein, are associated with time to first P. aeruginosa airway infection, chronic P. aeruginosa infection and mucoid P. aeruginosa in individuals with cystic fibrosis
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