DCTN4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	DCTN4, Monoclonal Antibody
Full Product Name	DCTN4 Mouse mAb
Product Gene Name	anti-DCTN4 antibody
Product Synonym Names	P62; DYN4
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5G2
Host	Mouse
Species Reactivity	Human
Form/Format	In PBS with 0.05% Sodium Azide
Purity/Purification	Affinity Purified
Preparation and Storage	Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.
Molecular Weight	52.3kDa
3D Structure	ModBase 3D Structure for Q9UJW0
Immunogen	Purified recombinant fragment of human DCTN4 (AA: 57-298) expressed in E. Coli.
Cellular Localization	Cytoplasm, Cytoskeleton
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DCTN4 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FC/FACS), ELISA (EIA)
Application Notes for anti-DCTN4 antibody	WB: 1:500-1:2000 IHC: 1:200-1:1000 ICC: 1:200-1:1000 FC/FACS: 1:200-1:400 ELISA: 1:10000
Related Product Information for anti-DCTN4 antibody	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.The dynactin complex binds cargo, such as vesicles and organelles, to cytoplasmic dynein for retrograde microtubule-mediated trafficking and could feasibly be involved in the copper-regulated trafficking of ATP7B.
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	MBS8539276 is an antibody targeting DCTN4. Also known as DCTN4 Mouse mAb. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	208431795
NCBI GeneID	51164
NCBI Accession #	NP_001129116.1
UniProt Primary Accession #	Q9UJW0
UniProt Related Accession #	Q9UJW0
GenBank Nucleotide #	NP_001129116.1
NCBI Official Full Name	dynactin subunit 4 isoform c
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
NCBI Protein Information	dynactin subunit 4
UniProt Comments for DCTN4	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.
Research Articles on DCTN4	**1.** Findings provide evidence that DCTN4 missense variants, especially p.Tyr263Cys, may be involved in the pathogenesis of chronic Pseudomonas aeruginosa infection in male with cystic fi brosis.
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