

## ARG53991 anti-DCTN1 / p150-glued antibody (N-term)

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes DCTN1 / p150-glued
Tested Reactivity	Hu
Tested Application	IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Target Name	DCTN1 / p150-glued
Species	Human
Immunogen	E.coli expressed purified recombinant DCTN1 / p150-glued protein fragments corresponding to 1-150 a.a of human Dynactin subunit 1 protein p150 isoform.
Conjugation	Un-conjugated
Alternate Names	P135; p150-glued; p135; DP-150; Dynactin subunit 1; 150 kDa dynein-associated polypeptide; DAP-150

### Application Instructions

Application table	Application	Dilution
	IP	Assay-dependent
	WB	1:500
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	150 kDa	

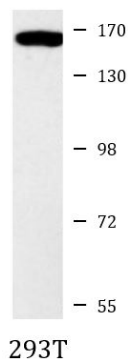
### Properties

Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

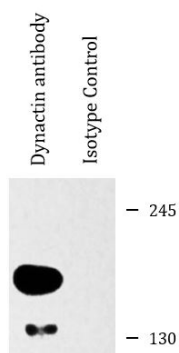
Database links	<a href="#">GeneID: 1639 Human</a> <a href="#">Swiss-port # Q14203 Human</a>
Gene Symbol	DCTN1
Gene Full Name	dynactin 1
Background	Required for the cytoplasmic dynein-driven retrograde movement of vesicles and organelles along microtubules. Dynein-dynactin interaction is a key component of the mechanism of axonal transport of vesicles and organelles.
Function	Required for the cytoplasmic dynein-driven retrograde movement of vesicles and organelles along microtubules. Dynein-dynactin interaction is a key component of the mechanism of axonal transport of vesicles and organelles. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	142 kDa
PTM	Ubiquitinated by a SCF complex containing FBXL5, leading to its degradation by the proteasome. Phosphorylation by SLK at Thr-145, Thr-146 and Thr-147 targets DCTN1 to the centrosome. It is uncertain if SLK phosphorylates all three threonines or one or two of them. PLK1-mediated phosphorylation at Ser-179 is essential for its localization in the nuclear envelope, promotes its dissociation from microtubules during early mitosis and positively regulates nuclear envelope breakdown during prophase.
Cellular Localization	Cytoplasm

## Images



ARG53991 anti-DCTN1 / p150-glued antibody (N-term) WB image

Western blot: 293T cell lysate stained with ARG53991 anti-DCTN1 / p150-glued antibody (N-term) at 1:500 dilution.



ARG53991 anti-DCTN1 / p150-glued antibody (N-term) IP image

Immunoprecipitation: HeLa cell lysates were immunoprecipitated and stained with ARG53991 anti-DCTN1 / p150-glued antibody (N-term).