

## 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

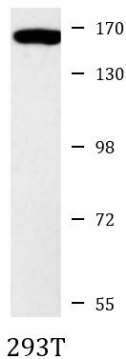
Application table	Application	Dilution
	IP	Assay-dependent
	WB	1:500
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	150 kDa	

### 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.

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).