

DATASHEET

Dynactin 1 Mouse Monoclonal Antibody(C3278)

CAT. NO. AMA02890

KEY FEATURES

| | | | |
|---------------|---|---------------|--------------|
| Target | Dynactin 1 | Source / Host | Mouse |
| Reactivity | Human | Clonality | Monoclonal |
| Applications | WB, IP | Conjugation | Unconjugated |
| Form / Buffer | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. | Storage | at-20°C |

BACKGROUND

Part of the dynactin complex that activates the molecular motor dynein for ultra-processive transport along microtubules . Plays a key role in dynein-mediated retrograde transport of vesicles and organelles along microtubules by recruiting and tethering dynein to microtubules. Binds to both dynein and microtubules providing a link between specific cargos, microtubules and dynein. Essential for targeting dynein to microtubule plus ends, recruiting dynein to membranous cargos and enhancing dynein processivity (the ability to move along a microtubule for a long distance without falling off the track). Can also act as a brake to slow the dynein motor during motility along the microtubule . Can also act as a brake to slow the dynein motor during motility along the microtubule .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:1000 |
| IP | 1:10 - 1:50 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

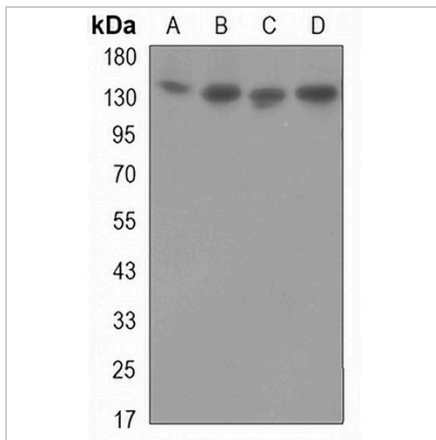
| | |
|-------------------|--|
| Description | Mouse monoclonal antibody to Dynactin 1 |
| Specificity | Recognizes endogenous levels of Dynactin 1 protein. |
| Antibody Type | Primary antibody |
| Immunogen | Purified recombinant Dynactin 1 protein fragments expressed in E.coli |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 142 kD; Observed: 142 kD |
| Form/Buffer | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. |
| Alternative Names | Dynactin subunit 1; 150 kDa dynein-associated polypeptide; DAP-150; DP-150; p135; p150-glued |
| Gene Symbol | DCTN1 |
| Entrez Gene | 1639(Human) |
| SwissProt | Q14203(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Dynactin 1 expression in K562 (A), MCF7 (B), 293T (C), HeLa (D) whole cell lysates. (Predicted band size: 142 kD; Observed band size: 142 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.