

## Dynactin 1 Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0449
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant human Dynactin 1 protein fragments expressed in E.coli.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human,Mouse,Bovine,Pig
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, IF, ICC
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Dynactin subunit 1
<b>Synonyms</b>	DCTN1; Dynactin subunit 1; 150 kDa dynein-associated polypeptide; DAP-150; DP-150; p135; p150-glued

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene encodes the largest subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. Dynactin is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit interacts with dynein intermediate chain by its domains directly binding to dynein and binds to microtubules via a highly conserved glycine-rich cytoskeleton-associated protein (CAP-Gly) domain in its N-terminus. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. Mutations in this gene cause distal hereditary motor neuropathy type VIIIB (HMN7B) which is also known as distal spinal and bulbar muscular atrophy (dsBMA). [

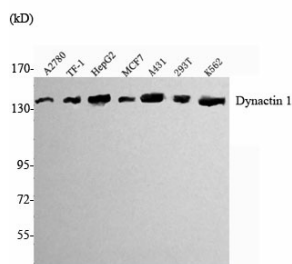
### Recommended Dilution

IF: 1:100 - 1:500

WB: 1:1000 - 1:2000

Not yet tested in other applications.

### Images



Western Blot analysis using Dynactin 1 Monoclonal antibody against A2780, TF-1, HepG2, MCF7, A431, K562 cell lysate.

### Storage

-20°C for one year

