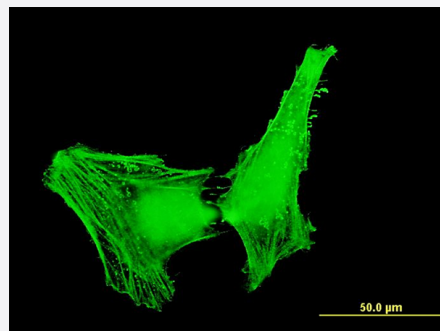


# ACTR1B monoclonal antibody (M05), clone 4E10

Catalog # H00010120-M05

Size 100 ug

## Applications



### Immunofluorescence

Immunofluorescence of monoclonal antibody to ACTR1B on HeLa cell .  
[antibody concentration 10 ug/ml]

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant ACTR1B.
<b>Immunogen</b>	ACTR1B (NP_005726, 191 a.a. ~ 286 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	SRYLRLLLRKEGVDFHTSAEFEVVRTIKERACYLSINPQKDEALETEKVQYTLPDGSTLDVGPARFRAPELLFQPDLVGDESEGLHEVVAFAIHK*
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (98); Rat (98)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to ACTR1B on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — ACTR1B

Entrez GeneID [10120](#)

GeneBank Accession# [NM\\_005735](#)

Protein Accession# [NP\\_005726](#)

Gene Name ACTR1B

Gene Alias ARP1B, CTRN2, PC3

Gene Description ARP1 actin-related protein 1 homolog B, centractin beta (yeast)

Omim ID [605144](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a 42.3 kD 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 and 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, like ACTR1A, is an actin-related protein. These two proteins, which are of equal length and share 90% amino acid identity, are present in a constant ratio of approximately 1:15 in the dynactin complex. [provided by RefSeq]

**Other Designations** ARP1 actin-related protein 1 homolog B, centractin beta|centractin beta