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**Product Name: DCTN4 Mouse Monoclonal Antibody****Catalog #: AMM83055**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	52.3kDa

**Antigen Information**

<b>Gene Name</b>	DCTN4
<b>Alternative Names</b>	P62; DYN4
<b>Gene ID</b>	51164.0
<b>SwissProt ID</b>	Q9UJW0
<b>Immunogen</b>	Purified recombinant fragment of human DCTN4 (AA: 57-298) expressed in E. Coli.

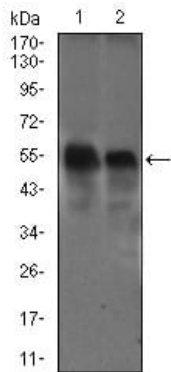
**Background**

Dynactin 4 could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton. The dynactin complex binds cargo, such as vesicles and organelles, to cytoplasmic dynein for retrograde microtubule-mediated

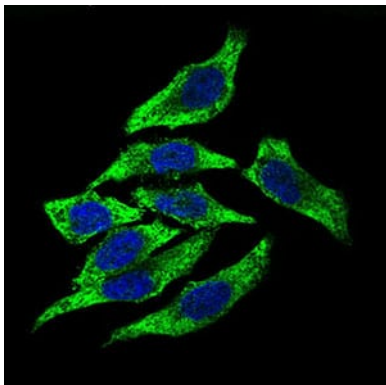
trafficking and could feasibly be involved in the copper-regulated trafficking of ATP7B.

## Research Area

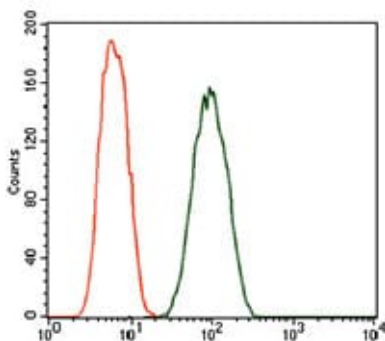
## Image Data



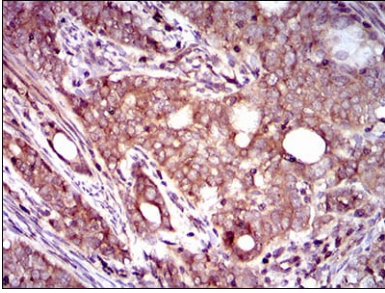
Western blot analysis using DCTN4 mouse mAb against Raw264.7 (1) and NIH3T3 (2) cell lysate.



Immunofluorescence analysis of HepG2 cells using DCTN4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of A549 cells using DCTN4 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using DCTN4 mouse mAb with DAB staining.