

## Anti-CEP72 antibody

<b>Cat. No.</b>	ml224513
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-CEP72 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human CEP72
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.4 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	CEP72
<b>Full name</b>	centrosomal protein 72

#### Synonyms

Swissprot Q9P209

#### Target Background

Centrosomes are the major microtubule-organizing centers of mammalian cells. They are composed of a centriole pair and surrounding microtubule-nucleating material termed pericentriolar material (PCM). Bipolar mitotic spindle assembly relies on two intertwined processes: centriole duplication and centrosome maturation. Failure to properly orchestrate centrosome duplication and maturation is subsequently linked to spindle defects, which can result in aneuploidy and promote cancer progression. CEP72 (centrosomal protein 72kDa) is a 647 amino acid protein that localizes to the centrosome and centrosome-surrounding particles throughout the cell cycle. Involved in the recruitment of key centrosomal proteins to the centrosome, CEP72 provides centrosomal microtubule-nucleation activity on the © Tubulin ring complexes and has critical roles in forming a focused bipolar spindle, which is needed for proper tension generation between sister chromatids. CEP72 exists as two alternatively spliced isoforms.

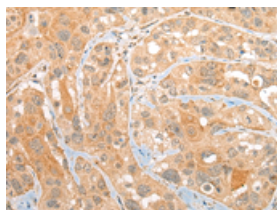
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human esophagus cancer

Recommended dilution: 30-150

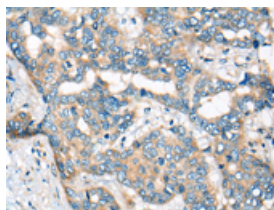


The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml224513(CEP72 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 30-150



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml224513(CEP72 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 72 kDa

Positive control: TM4, NIH/3T3 and Jurkat cell lysates

Recommended dilution: 200-1000

Gel: 6%SDS-PAGE

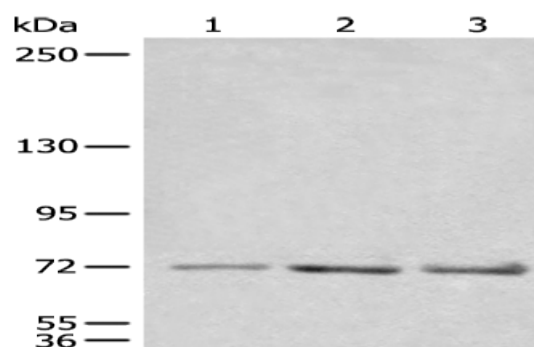
Lysate: 40  $\mu$ g

Lane 1-3: TM4, NIH/3T3 and Jurkat cell lysates

Primary antibody: ml224513(CEP72 Antibody) at dilution 1/600

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



#### ELISA

Recommended dilution: 5000-10000

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