

# CENPE monoclonal antibody, clone CENP-E.1H12

Catalog # MAB8966      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis in Lane 1: mitotic HeLa cell lysate and Lane 2: mitotic Jurkat cell lysate with CENPE monoclonal antibody, clone CENP-E.1H12 (Cat # MAB8966).

## Specification

|                     |  |
|---------------------|--|
| Product Description | Mouse monoclonal antibody raised against recombinant CENPE.        |
| Amount              | 100 uL   |
| Immunogen           | Recombinant protein corresponding to human CENPE.                  |
| Host                | Mouse  |
| Reactivity          | Human  |
| Form                | Liquid   |
| Purification        | Purified ascites   |
| Concentration       | 1 ug/uL  |
| Isotype             | IgG1   |
| Recommend Usage     | The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.4 (0.02% sodium azide)                                |

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

Western blot analysis in Lane 1: mitotic HeLa cell lysate and Lane 2: mitotic Jurkat cell lysate with CENPE monoclonal antibody, clone CENP-E.1H12 (Cat # MAB8966).

- Immunofluorescence

- Immunoprecipitation

## Gene Info — CENPE

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">1062</a> |
|---------------|----------------------|

|           |       |
|-----------|-------|
| Gene Name | CENPE |
|-----------|-------|

|            |       |
|------------|-------|
| Gene Alias | KIF10 |
|------------|-------|

|                  |                              |
|------------------|------------------------------|
| Gene Description | centromere protein E, 312kDa |
|------------------|------------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">117143</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |   |
|--------------|---|
| Gene Summary | Centrosome-associated protein E is a kinesin-like motor protein that accumulates in the G2 phase of the cell cycle. Unlike other centrosome-associated proteins, it is not present during interphase and first appears at the centromere region of chromosomes during prometaphase. CENPE is proposed to be one of the motors responsible for mammalian chromosome movement and/or spindle elongation. [provided by RefSeq] |
|--------------|---|

|                    |   |
|--------------------|---|
| Other Designations | Centromere autoantigen E (312kD) centromere protein E centromere protein E (312kD) kinesin family member 10 |
|--------------------|---|

## Disease

- [Alcoholism](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Genetic Predisposition to Disease](#)