

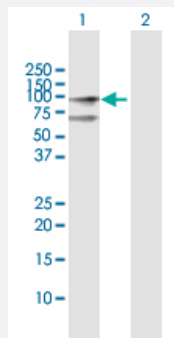
MaxPab®

# CENPB MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001059-D01

Size 100 uL

## Applications

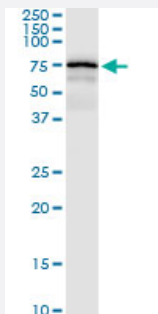


### Western Blot (Transfected lysate)

Western Blot analysis of CENPB expression in transfected 293T cell line ([H00001059-T01](#)) by CENPB MaxPab polyclonal antibody.

Lane 1: CENPB transfected lysate (65.20 kDa).

Lane 2: Non-transfected lysate.



### Immunoprecipitation

Immunoprecipitation of CENPB transfected lysate using anti-CENPB MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CENPB purified MaxPab mouse polyclonal antibody (B01P) ([H00001059-B01P](#)).

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human CENPB protein.

### Immunogen

CENPB (AAH53847.1, 1 a.a. ~ 599 a.a) full-length human protein.

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sequence</b>                      | MGPKRRQLTFREKSRIQEVEENPDLRKGEIARRFNIPPSTLSTILKNKRAILASERKYGVASTCRKT<br>NKLSPYDKLEGLLIAWFQQIRAAGLPVKGIILKEKALRAEELGMDDFTASNGWLD RFRRRHGVVS<br>CSGVARARARNAAPRTPAAPASPAAVPSEGSGGSTTGWRRAREEQPPSVAEGYASQDVFSATE<br>TSLWYDFLPDQAAGLCGGDGRPRQATQRLSVLLCANADGSEKLPPLVAGKSAKPRAGQAGLPC<br>DYTANSKGGVTTQALAKYLKALDTRMAAESRRVLLLAGRLAAQSLDTSGLRHVQLAFFPPGTVHP<br>LERGVVQQVKGHYRQAMLLKAMAALLEGQDPSGLQLGLTEALHFVAAAWQAVEPSDIAACFREA<br>GFGGGPNATITTSLKSEGE EEEEEEEEEEEEEEGE EEEEEEEEEEEEEEGGEGEELGEEEEVEE<br>EGDVDSDEEEEEDEESSSEGLEAEDWAQGVVEAGGSFGAYGAQEEAQCPTLHFLEGGEDSD<br>SDSEEDDEEEDEDEEDDDDEEDGDEVPVPSFGEAMAYFAMVKRYLTSFPIDDRVQSHILHL<br>EHDLVHVTRKNHARQAGVRGLGHQS |
| <b>Host</b>                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Interspecies Antigen Sequence</b> | Mouse (90)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Quality Control Testing</b>       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>                | No additive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Applications

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

## Gene Info — CENPB

Entrez GeneID [1059](#)

GeneBank Accession# [NM\\_001810](#)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Accession# | <a href="#">AAH53847.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Name          | CENPB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Alias         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Description   | centromere protein B, 80kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Omim ID            | <a href="#">117140</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Summary       | <p>This gene product is a highly conserved protein that facilitates centromere formation. It is a DNA-binding protein that is derived from transposases of the pogo DNA transposon family. It contains a helix-loop-helix DNA binding motif at the N-terminus, and a dimerization domain at the C-terminus. The DNA binding domain recognizes and binds a 17-bp sequence (CENP-B box) in the centromeric alpha satellite DNA. This protein is proposed to play an important role in the assembly of specific centromere structures in interphase nuclei and on mitotic chromosomes. It is also considered a major centromere autoantigen recognized by sera from patients with anti-centromere antibodies. [provided by RefSeq]</p> |
| Other Designations | OTTHUMP00000030132 centromere autoantigen B centromere protein B centromere protein B (80kD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |