

Product datasheet for **TA340025**

CENPB Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CENPB antibody: synthetic peptide directed towards the C terminal of human CENPB. Synthetic peptide located within the following region: GGEDSDSDSEEDDEEEDDEDEDDDDDEEDGDEVVPSFGEAMAYFAMVK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	centromere protein B
Database Link:	NP_001801 Entrez Gene 1059 Human P07199



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Background:

CENPB 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. 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

80kDa; centromere autoantigen B; centromere protein B; centromere protein B (80kD); OTTHUMP00000030132

Note:

Immunogen Sequence Homology: Rat: 100%; Human: 100%; Yeast: 100%; Mouse: 93%; Pig: 86%; Horse: 86%; Sheep: 86%; Bovine: 83%; Zebrafish: 75%

Protein Families:

Druggable Genome

Product images:

WB Suggested Anti-CENPB Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 500; Positive Control:
Jurkat cell lysate