



# CENPR Monoclonal Antibody

<b>Catalog No</b>	BYmab-06451
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	ITGB3BP CENPR NRIF3
<b>Protein Name</b>	Centromere protein R (CENP-R) (Beta-3-endonexin) (Integrin beta-3-binding protein) (Nuclear receptor-interacting factor 3)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 10-90
<b>Specificity</b>	CENPR Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	19kD
<b>Cell Pathway</b>	[Isoform 1]: Nucleus. Chromosome, centromere. Chromosome, centromere, kinetochore.; [Isoform 2]: Nucleus.; [Isoform 3]: Nucleus. Cytoplasm. Isoform 3 is predominantly nuclear and weakly cytoplasmic.; [Isoform 4]: Cytoplasm.
<b>Tissue Specificity</b>	Widely expressed. Expressed in spleen, thymus, prostate, ovary, small intestine and white blood cells. Highly expressed in testis and colon. Isoform 4 is expressed in platelets, lymphocytes and granulocytes.
<b>Function</b>	domain:Contains one Leu-Xaa-Xaa-Ile-Leu (LXXIL) motif, which is essential for the association with nuclear receptors.,domain:Contains one Leu-Xaa-Xaa-Leu-Leu (LXXLL) motif, a motif known to be important for the association with nuclear receptors. Such motif, which is required for an efficient association with nuclear receptors, is however not essential.,domain:The DD1 domain (also called RepD1 domain) mediates the corepressor function and is essential in the triggering of apoptosis.,function:Transcription coregulator that can have both coactivator and corepressor functions. Isoform 1, but not other isoforms, is involved in the coactivation of nuclear receptors for retinoid X (RXRs)

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and thyroid hormone (TRs) in a ligand-dependent fashion. In contrast, it does not coactivate nuclear receptors for retinoic acid, vitamin D, progesterone receptor, nor glucocorticoid. Acts as a coactivator for

#### Background

This gene encodes a transcriptional coregulator that binds to and enhances the activity of members of the nuclear receptor families, thyroid hormone receptors and retinoid X receptors. This protein also acts as a corepressor of NF-kapMAB-dependent signaling. This protein induces apoptosis in breast cancer cells through a caspase 2-mediated signaling pathway. This protein is also a component of the centromere-specific histone H3 variant nucleosome associated complex (CENP-NAC) and may be involved in mitotic progression by recruiting the histone H3 variant CENP-A to the centromere. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011],

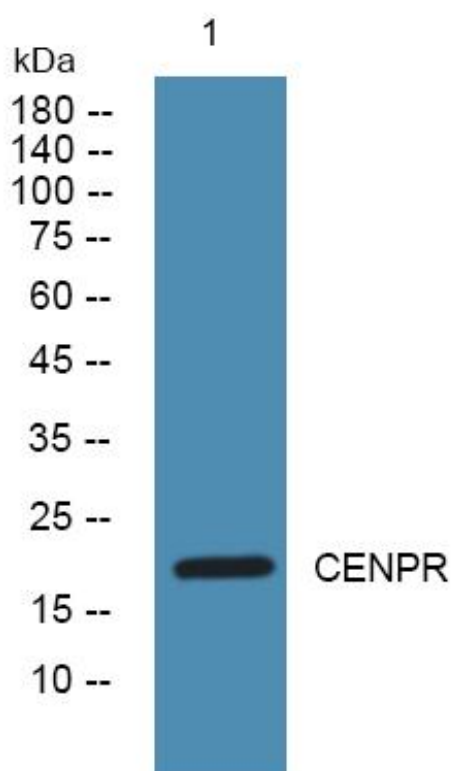
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using CENPR Monoclonal Antibody