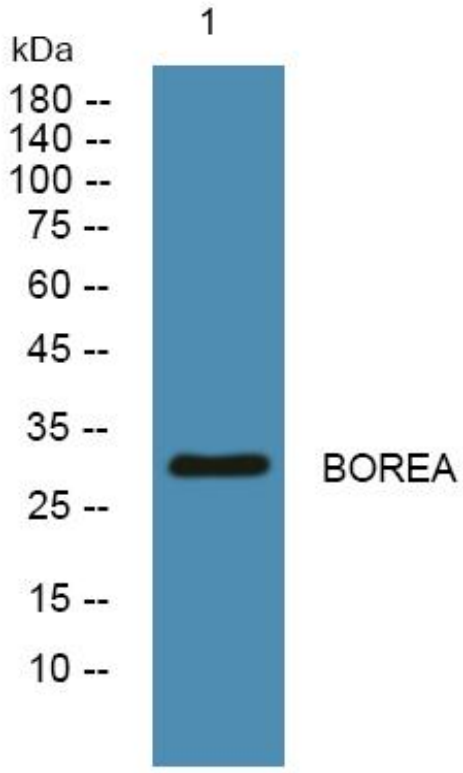
BOREA Monoclonal Antibody

Catalog No	YP-mAb-05384
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CDCA8 PESCRG3
Protein Name	Borealin (Cell division cycle-associated protein 8) (Dasra-B) (hDasra-B) (Pluripotent embryonic stem cell-related gene 3 protein)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	BOREA Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	30kD
Cell Pathway	Nucleus, nucleolus . Cytoplasm . Cytoplasm, cytoskeleton, spindle . Chromosome, centromere . Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis. Colocalizes with SENP3 in the nucleolus in interphase cells. .
Tissue Specificity	Colon,Coronary arterial endothelium,Embryo,Epithelium,Kidney,Lung,
Function	developmental stage:Cell-cycle regulated. Increases during G2/M phase and then reduces after exit from M phase.,function:Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. In the complex, it may be required to direct the CPC to centromeric DNA.,miscellaneous:Cells lacking CDCA8 display a slight decrease in histone H3 'Ser-10' phosphorylation, suggesting that the CPC complex mediates phosphorylation of 'Ser-10' of histone H3.,similarity:Belongs to the borealin family.,subcellular location:Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphas

Background	cell division cycle associated 8(CDCA8) Homo sapiens This gene encodes a component of the chromosomal passenger complex. This complex is an essential regulator of mitosis and cell division. This protein is cell-cycle regulated and is required for chromatin-induced microtubule stabilization and spindle formation. Alternate splicing results in multiple transcript variants. Pseudgenes of this gene are found on chromosomes 7, 8 and 16. [provided by RefSeq, Apr 2013],
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 BOREA Monoclonal Antibody