

KD-Validated Anti-CDCA8 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI1951

Product Information

Application	WB, FC, ICC
Primary Accession	Q53HL2
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	24GB6600
Calculated MW	31323
Gene Name	CDCA8
Aliases	CDCA8; Cell Division Cycle Associated 8; Borealin; MESRGP; DasraB; BOR; Pluripotent Embryonic Stem Cell-Related Gene 3 Protein; Cell Division Cycle-Associated Protein 8; FLJ12042; HDasra-B; Dasra-B; Dasra B; PESCRG3
Immunogen	Recombinant protein of human CDCA8

Additional Information

Gene ID	55143
Other Names	Borealin, Cell division cycle-associated protein 8, Dasra-B, hDasra-B, Pluripotent embryonic stem cell-related gene 3 protein, CDCA8, PESCRG3

Protein Information

Name	CDCA8
Synonyms	PESCRG3
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. Major effector of the TTK kinase in the control of attachment-error-correction and chromosome alignment.
Cellular Location	Nucleus, nucleolus. Cytoplasm. Cytoplasm, cytoskeleton, spindle. Chromosome, centromere. Note=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