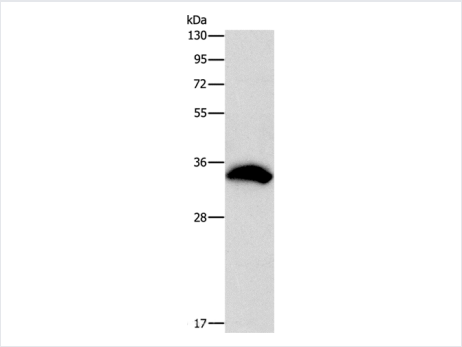
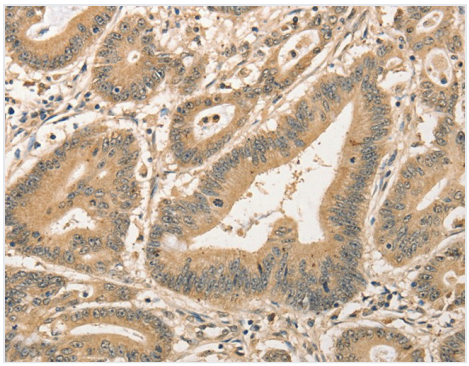
CDCA8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

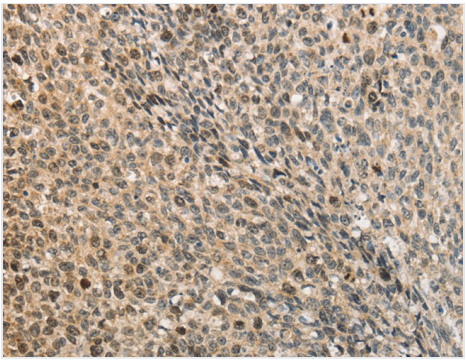
Product Name	CDCA8, Polyclonal Antibody
Full Product Name	CDCA8 Polyclonal Antibody
Product Gene Name	anti-CDCA8 antibody
Product Synonym Names	BOR; DasraB; MESRGP; BOREALIN
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	1.6mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	31,323 Da
OMIM	609977
Immunogen	Recombinant protein of human CDCA8
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-CDCA8 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDCA8 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CDCA8 antibody	WB: 1:1000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-CDCA8 antibody	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.
Other Notes	Small volumes of anti-CDCA8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CDCA8 purchase	MBS2521608 is an antibody targeting CDCA8. Also known as CDCA8 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-CDCA8 antibody
Western Blot analysis of 293T cell using CDCA8 Polyclonal Antibody at dilution of 1:800



Immunohistochemistry (IHC) of anti-CDCA8 antibody
Immunohistochemistry of paraffin-embedded Human colon cancer using CDCA8 Polyclonal Antibody at dilution of 1:40



Immunohistochemistry (IHC) of anti-CDCA8 antibody
Immunohistochemistry of paraffin-embedded Human lung cancer using CDCA8 Polyclonal Antibody at dilution of 1:40

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDCA8. It may not necessarily be applicable to this product.

NCBI GI #	12804485
NCBI GeneID	55143
NCBI Accession #	AAH01651.1
UniProt Secondary Accession #	Q53HN1; Q96AM3; Q9NVW5; D3DPT4
UniProt Related Accession #	Q53HL2
NCBI Official Full Name	CDCA8 protein
NCBI Official Synonym Full Names	cell division cycle associated 8
NCBI Official Symbol	CDCA8
NCBI Official Synonym Symbols	BOR; DasraB; MESRGP; BOREALIN
UniProt Protein Name	Borealin
UniProt Synonym Protein Names	Cell division cycle-associated protein 8; Dasra-B; hDasra-B; Pluripotent embryonic stem cell-related gene 3 protein
UniProt Gene Name	CDCA8
UniProt Synonym Gene Names	PESCRG3; hDasra-B
UniProt Entry Name	BOREA_HUMAN
NCBI Protein Information	borealin; Dasra B; cell division cycle-associated protein 8; dasra-B; hDasra-B; pluripotent embryonic stem cell-related gene 3 protein

UniProt Comments for CDCA8	Borealin: 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. Major effector of the TTK kinase in the control of attachment-error-correction and chromosome alignment. Belongs to the borealin family. Protein type: Cell cycle regulation; Nucleolus Chromosomal Location of Human Ortholog: 1p34.3 Cellular Component: intercellular bridge; protein complex; nucleolus; spindle; midbody; cytosol; nucleus; chromosome, pericentric region; chromocenter Molecular Function: protein binding Biological Process: cell division; mitotic cell cycle; mitotic metaphase plate congression; chromosome organization and biogenesis
Research Articles on CDCA8	**1.** Borealin interacts directly with the Snf7 components of ESCRT-III in human cells.the Borealin central region encompassing residues 110-207 was both necessary & sufficient to bind to CHMP4C.
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