

Rabbit CDCA8 Polyclonal Antibody | anti-CDCA8 antibody

CDCA8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40271	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

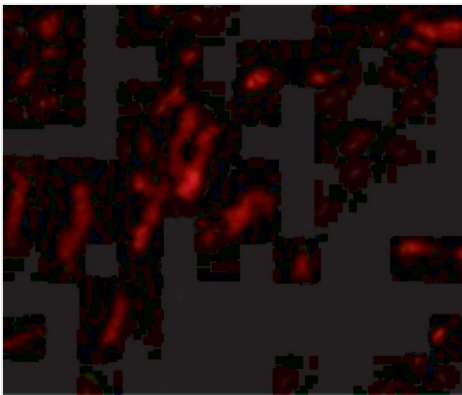
PRODUCT SYNONYMS

CDCA8; Polyclonal Antibody; CDCA8 Antibody; BOR; DasraB; MESRGP; BOREALIN; PESCRG3; Borealin; Cell division cycle-associated protein 8; hDasra-B; cell division cycle associated 8; anti-CDCA8 antibody

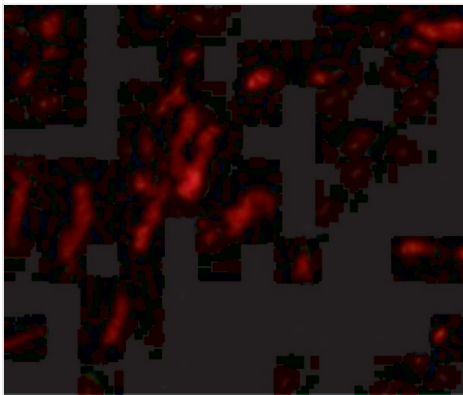
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	CDCA8 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	280
Applicable Applications for anti-CDCA8 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CDCA8 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of the human CDCA8.
Buffer	CDCA8 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CDCA8 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

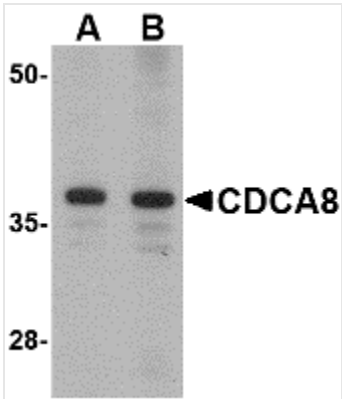
IMAGES



IF (Immunofluorescence)
Immunofluorescence of CDCA8 in Rat Kidney cells with CDCA8 antibody at 20 μg/mL.



IF (Immunofluorescence)
Immunofluorescence of CDCA8 in rat kidney tissue with CDCA8 antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of CDCA8 in Rat kidney lysate with CDCA8 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CDCA8 antibody

CDCA8 Antibody: CDCA8 is a component of a chromosomal passenger complex (CPC) required for stability of the bipolar mitotic spindle. The chromosomal passenger complex, which includes Survivin, CDCA8, INCENP and Aurora-B, is known to play crucial roles during mitosis and cell division. It was found that CDCA8 interacting with Aurora-B, INCENP and Survivin, increases during G2/M phase and then reduces after exit from M phase. CDCA8 is cell cycle regulated, down-regulated in response to p53/Rb-signaling, and up-regulated in many types of cancerous tissues. In *Drosophila* cells, inactivation of CDCA8 results in polyploidy, delayed mitosis and abnormal tissue development, indicating its critical role for cell proliferation. Recent studies show that CDCA8 is essential for cell proliferation during early embryonic development, and its early embryonic lethality cannot be rescued by the loss of p53. Its aberrant expression is linked to a poor prognosis for gastric cancer.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8922438
NCBI GeneID	55143
NCBI Accession #	NP_060571
NCBI GenBank Nucleotide #	NM_018101.3
UniProt Accession #	Q53HL2; Q53HN1; Q96AM3; Q9NVW5; D3DPT4
Molecular Weight	31,323 Da
NCBI Official Full Name	borealin

NCBI Official Synonym Full Names	cell division cycle associated 8
NCBI Official Symbol	CDCA8
NCBI Official Synonym Symbols	BOR; DasraB; MESRGP; BOREALIN
NCBI Protein Information	borealin; Dasra B; dasra-B; hDasra-B; cell division cycle-associated protein 8; pluripotent embryonic stem cell-related gene 3 protein
UniProt Protein Name	Borealin
UniProt Gene Name	CDCA8
UniProt Synonym Gene Names	PESCRG3; hDasra-B
UniProt Entry Name	BOREA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdca8-antibody-immunofluorescence-western-blot-elisa/40271>