

## Product datasheet for **AP11424PU-N**

### CDCA8 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA 1:1,000. Western blotting 1:100 - 1:500. Immunohistochemistry 1:10 - 1:50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human CDCA8.
Specificity:	This antibody detects CDCA8 at center.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cell division cycle associated 8
Database Link:	<a href="#">Entrez Gene 55143 Human Q53HL2</a>



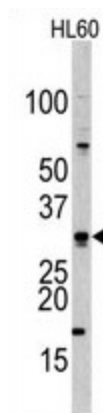
[View online »](#)

**Background:** CDCA8 is a component of the chromosomal passenger complex (CPC) required for stability of the bipolar mitotic spindle. The CPC complex, a key regulator of mitosis, 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, CDCA8 may be required to direct the CPC to centromeric DNA.

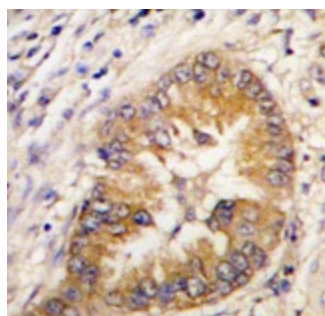
**Synonyms:** Dasra-B, hDasra-B, PESCRG3

**Note:** Molecular weight: 31323 Da

**Product images:**



Western blot analysis of CDCA8 Antibody (Center) in HL60 cell line lysates (35 ug/lane). CDCA8 (arrow) was detected using the purified polyclonal antibody.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with CDCA8 antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.