

ARG45539
anti-Borealin / CDCA8 antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Borealin / CDCA8
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Borealin / CDCA8
Species	Human
Immunogen	Recombinant protein containing to human Borealin / CDCA8.
Conjugation	Un-conjugated
Alternate Names	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

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	35 kDa	

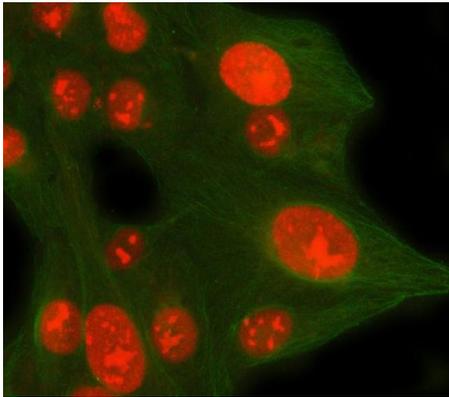
Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

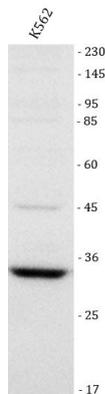
Gene Symbol	CDCA8
Gene Full Name	Cell Division Cycle Associated 8
Background	This gene encodes a component of the chromosomal passenger complex. This complex is an essential regulator of mitosis and cell division. This protein is cell-cycle regulated and is required for chromatin-induced microtubule stabilization and spindle formation. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 7, 8 and 16. [provided by RefSeq, Apr 2013]
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. [UniProt]
Calculated Mw	31 kDa
PTM	Isopeptide bond; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Centromere; Chromosome; Cytoplasm; Cytoskeleton; Nucleus. [UniProt]

Images



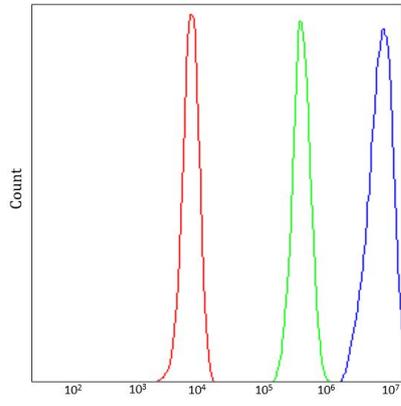
ARG45539 anti-Borealin / CDCA8 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45539 anti-Borealin / CDCA8 antibody at 5 µg/ml dilution.



ARG45539 anti-Borealin / CDCA8 antibody WB image

Western blot: K562 stained with ARG45539 anti-Borealin / CDCA8 antibody at 0.5 µg/ml dilution.



ARG45539 anti-Borealin / CDCA8 antibody FACS image

Flow Cytometry: K562 stained with ARG45539 anti-Borealin / CDCA8 antibody at 1 µg/10⁶ cells dilution.