

ARG41804 anti-CDCA5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CDCA5
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CDCA5
Species	Human
Immunogen	Synthetic peptide of Human CDCA5.
Conjugation	Un-conjugated
Alternate Names	p35; SORORIN; Cell division cycle-associated protein 5; Sororin

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 34 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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.

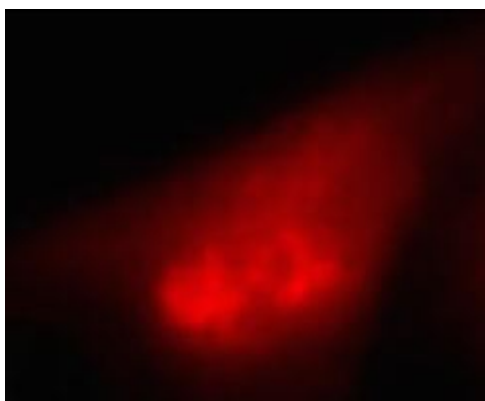
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

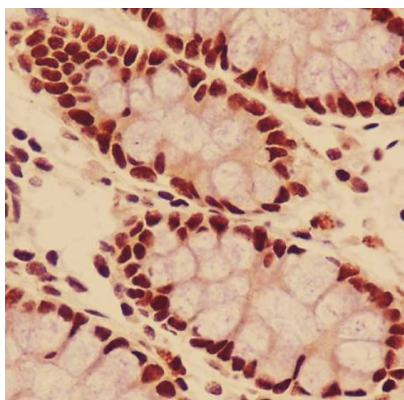
Gene Symbol	CDCA5
Gene Full Name	cell division cycle associated 5
Function	Regulator of sister chromatid cohesion in mitosis stabilizing cohesin complex association with chromatin. May antagonize the action of WAPAL which stimulates cohesin dissociation from chromatin. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. Required for efficient DNA double-stranded break repair. [UniProt]
Calculated Mw	28 kDa
PTM	Phosphorylated. Phosphorylation, as cells enter mitosis, disrupts the interaction with PDS5A and relieves the inhibition of WAPL by CDCA5. Ubiquitinated by the APC/C complex in G1, leading to its degradation. [UniProt]
Cellular Localization	Nucleus. Chromosome. Cytoplasm. Note=Associates with nuclear chromatin from S phase until metaphase and is released in the cytoplasm upon nuclear envelope breakdown. [UniProt]

Images



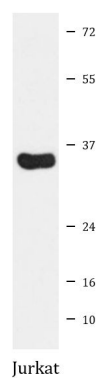
ARG41804 anti-CDCA5 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG41804 anti-CDCA5 antibody (red).



ARG41804 anti-CDCA5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue stained with ARG41804 anti-CDCA5 antibody.



ARG41804 anti-CDCA5 antibody WB image

Western blot: Jurkat cell lysate stained with ARG41804 anti-CDCA5 antibody.