

DATASHEET

CENPS Rabbit Polyclonal Antibody

CAT. NO. APA13311

KEY FEATURES

Target	CENPS	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

DNA-binding component of the Fanconi anemia (FA) core complex. Required for the normal activation of the FA pathway, leading to monoubiquitination of the FANCI-FANCD2 complex in response to DNA damage, cellular resistance to DNA cross-linking drugs, and prevention of chromosomal breakage core complex. Required for the normal activation of the FA pathway, leading to monoubiquitination of the FANCI-FANCD2 complex in response to DNA damage, cellular resistance to DNA cross-linking drugs, and prevention of chromosomal breakage . In complex with CENPX (MHF heterodimer), crucial cofactor for FANCM in both binding and ATP-dependent remodeling of DNA. Stabilizes FANCM .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

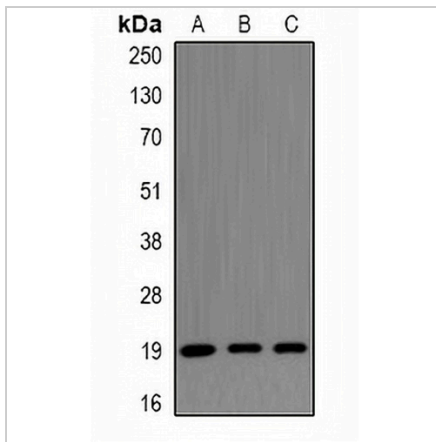
Description	Rabbit polyclonal antibody to CENPS
Specificity	Recognizes endogenous levels of CENPS protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CENPS
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 9; Observed: 19 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CENPS; FAAP16; MHF1; Centromere protein S; CENP-S; Apoptosis-inducing TAF9-like domain-containing protein 1; FANCM-interacting histone fold protein 1; Fanconi anemia-associated polypeptide of 16 kDa
Gene Symbol	APITD1
Entrez Gene	100526739; 378708(Human); 69928(Mouse)
SwissProt	Q8N2Z9(Human); Q9D084(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of CENPS expression in SW620 (A), MCF7 (B), A549 (C) whole cell lysates. (Predicted band size: 9; 15; 19 kD; Observed band size: 19 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.