

CENP-A rabbit pAb

Cat No.:ES4511

For research use only

Overview

Product Name	CENP-A rabbit pAb	
Host species	Rabbit	
Applications	IHC;IF;ELISA	
Species Cross-Reactivity	Human;Rat;Mouse;	
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA:	
	1/5000. Not yet tested in other applications.	
Immunogen	The antiserum was produced against synthesized	
	peptide derived from human CENPA. AA	
	range:11-60	
Specificity	CENP-A Polyclonal Antibody detects endogenous	
	levels of CENP-A protein.	
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and	
	0.02% sodium azide.	
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.	
Protein Name	Histone H3-like centromeric protein A	
Gene Name	CENPA	
Cellular localization	Nucleus . Chromosome, centromere, kinetochore .	
	Chromosome, centromere . Localizes exclusively in	
	the kinetochore domain of centromeres. Occupies a	
	compact domain at the inner kinetochore plate	
	stretching across 2 thirds of the length of the	
	constriction	
Purification	The antibody was affinity-purified from rabbit	
	antiserum by affinity-chromatography using	
	epitope-specific immunogen.	
Clonality	Polyclonal	
Concentration	1 mg/ml	
Observed band		
Human Gene ID	1058	
Human Swiss-Prot Number		,////////
Alternative Names	CENPA; Histone H3-like centromeric protein A;	
	Centromere autoantigen A; Centromere protein A;	
	CENP-A	



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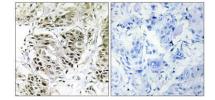
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Background

Centromeres are the differentiated chromosomal domains that specify the mitotic behavior of chromosomes. This gene encodes a centromere protein which contains a histone H3 related histone fold domain that is required for targeting to the centromere. Centromere protein A is proposed to be a component of a modified nucleosome or nucleosome-like structure in which it replaces 1 or both copies of conventional histone H3 in the (H3-H4)2 tetrameric core of the nucleosome particle. The protein is a replication-independent histone that is a member of the histone H3 family. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Nov 2015],

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using CENPA Antibody. The picture on the right is blocked with the synthesized peptide.





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