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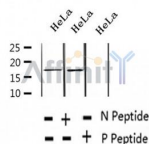
## Phospho-CENP-A (Ser7) Ab

Cat.#: AF2330  
Size: 100ul,200ul

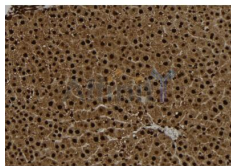
Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 17kDa  
Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200
Reactivity:	Human,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-CENP-A (Ser7) Ab detects endogenous levels of CENP-A.
Immunogen:	A synthesized peptide derived from human CENP-A around the phosphorylation site of Ser7.
Uniprot:	P49450
Subcellular Location:	Nucleus. Chromosome > centromere > kinetochore. 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 but encompassing only one third of the constriction width and height.
Tissue Specificity:	Expression varies across the cell cycle, with high levels in G2 phase (at the mRNA level).
Similarity:	The CATD (CENPA targeting domain) region is responsible for the more compact structure of nucleosomes containing CENPA (PubMed:15282608). It is necessary and sufficient to mediate the localization into centromeres (PubMed:7962047, PubMed:15282608).Belongs to the histone H3 family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt



Western blot analysis of extracts of HeLa, using Phospho-CENP-A (Ser7) Ab.



AF2330 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

**IMPORTANT:** For western blot, incubate membrane with diluted Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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