

Phospho-Histone H2A (Thr121) Ab

Cat.#: AF3135	Concn.: 1mg/ml	Mol.Wt.: 15kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application: IHC 1:50-1:200 WB 1:1000

Reactivity: Human,Mouse,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-Histone H2A (Thr121) Ab detects endogenous levels of Histone H2A only when phosphorylated at Threonine 121.

Immunogen: A synthesized peptide derived from human Histone H2A around the phosphorylation site of Threonine 121.

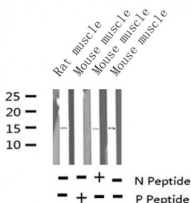
Uniprot: P0C0S8/P04908/P20671/Q96KK5/Q6F113/Q7L7L0

Description: H2A.1 Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.

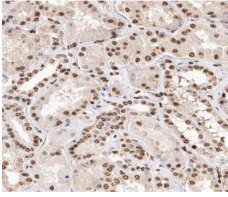
Subcellular Location: Nucleus. Chromosome.

Similarity: Belongs to the histone H2A 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 Phospho-Histone H2A (Thr121) expression in various lysates



AF3135 at 1/200 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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 primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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