

PHOSPHO-HISTONE H2A.X (SER139) RABBIT MAB

Cat.#: N262259

Product Name: Anti-Phospho-Histone H2A.X (Ser139) Rabbit Monoclonal Antibody

Synonyms: H2A.X; H2AFX; H2a/x; HIST5-2AX; Histone H2A.X; gamma H2A.X

UNIPROT ID: P16104

Background: Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. 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.

Immunogen: A synthetic phosphopeptide corresponding to residues surrounding Ser139 of human gamma H2A.X

Applications: WB,IP

Recommended Dilutions: WB: 1/500-1/1000 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R09-4A7

MW: Calculated MW: 15 kDa; Observed MW: 15 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat

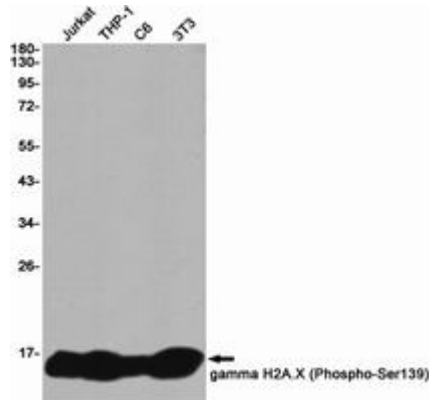
Conjugation: Unconjugated

Modification: Phosphorylated

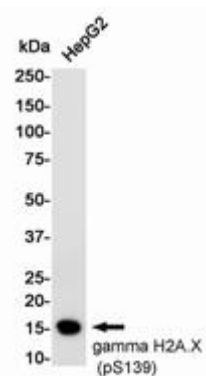
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of gamma H2A.X (Phospho-Ser139) in Jurkat, THP-1, C6, 3T3 lysates using gamma H2A.X (Phospho-Ser139) antibody.



Western blot analysis of gamma H2A.X (Phospho-Ser139) in HepG2 lysates using Phospho-Histone H2A.X (Ser139) antibody.