

## 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

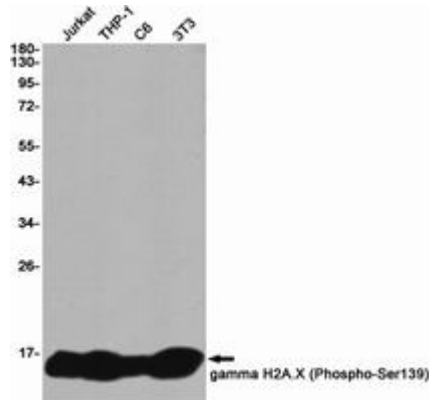
**Conjugation:** Unconjugated

**Modification:** Phosphorylated

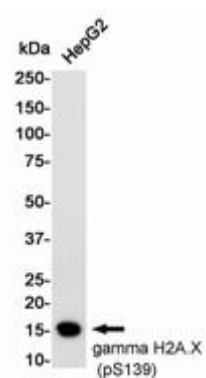
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**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.