Recombinant Phospho-Histone H2A.X (Ser139) Monoclonal Antibody

catalog number: AN300358L

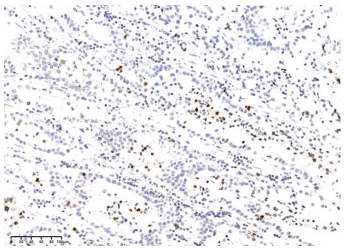
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

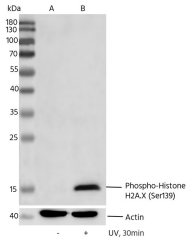
Reactivity	Human
Immunogen	A synthetic peptide corresponding to residues around Ser139 of Human Phospho-Histone H2A.X
Host	Rabbit
Isotype	IgG
Clone	B280
Purification	Protein A
Buffer	10 mM sodium HEPES, 150 mM NaCl, 100 μg/mL protein protectant, 50% glycerol, pH 7.5

Applications	Recommended Dilution
WB	1:2000-1:20000
IHC-P	1:1000-1:5000

Data



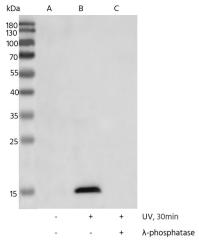
Immunohistochemistry of paraffin-embedded human gastric cancer tissue using Histone H2A.X (Ser139) Monoclonal Antibody at dilution of 1:200.



Western blot analysis of extracts from serum-starved NIH-3T3, untreated(line A) or treated with UV (30min; +)(line B), using Phospho-Histone H2A.X (Ser139) rabbit monoclonal Antibody at 1:5000 dilution. (upper) or Anti-Actin Antibody, Chimeric Rabbit Monoclonal at 1:50000 dilution(lower).

Observed-MW:15 kDa

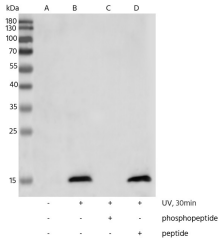
Calculated-MW:15 kDa



Western blot analysis of extracts from serum-starved NIH-3T3, untreated (line A); treated with UV (30min; +) (line B); treated with UV and λ-phosphatase (line C) using Phospho-Histone H2A.X (Ser139) rabbit monoclonal Antibody at 1:5000 dilution.

Observed-MW:15 kDa

Calculated-MW:15 kDa



Western blot analysis of extracts from serum-starved NIH-3T3, untreated (line A); treated with UV (30min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-Histone H2A.X (Ser139) rabbit monoclonal Antibody at 1:5000 dilution.

Observed-MW:15 kDa

Calculated-MW:15 kDa

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif.

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