Anti-Phospho-Histone H2A.X (Ser139) (7G9) Mouse Monoclonal Antibody

Introduction

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.

Product parameters

Alternative Names	H2A.X; H2AFX; H2a/x; HIST5-2AX; Histone H2A.X; gamma H2A.X
Gene ID	3014
Gene Name	H2AX
SwissProt ID	P16104
Host	Mouse
Reactivity	Human, Mouse
Molecular Weight	Calculated MW: 15 kDa; Observed MW: 15 kDa
Conjugation	Unconjugated
Ex	-
Em	-
Modification	Phosphorylated
Clonality	IgG1
Isotype	Monoclonal Antibody
Clonality No.	AP-3B12G9
Form	Liquid
Concentration	See label
Carrier	Carrier Not Free
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Ser139 of human H2A.X.
Purification	Affinity Purified
Buffer System	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Application	WB, ICC/IF
Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200
Research Field	Epigenetics and Nuclear Signaling
Product Categories	Primary antibody

Shipping	Blue ice
Storage	-20°C
Expiration Date	12 months
Note	Please avoid freeze-thaw cycles.

Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.

APExBIO Technology
www.apexbt.com
7505 Fannin street, Suite 410, Houston, TX 77054.
Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com