

Catalog Number	PA-MM 000002
Batch Number(s):	PA-B-0001-MM-H2AX
Product Name	Mouse anti-Human H2Ax Monoclonal (1H1D9/B7)

PRODUCT SPECIFICATION

Host	Mouse
Colonicity	Monoclonal
Subclass	IgG1
Immunogen	Recombinant Human H2AX Protein in a region between residue 106 and 156, referencing both Uniprot ID P16104 and Gene ID 3014
Conjugate	Unconjugated
Form	Liquid
Concentration	1.0 mg/mL
Purification	Affinity chromatography
Storage Buffer	Phosphate Buffer Saline, 10mM, pH 7.4
Preservative	Azide
Cryopreservative	Glycerol
Storage conditions	4°C. Avoid freeze/thaw cycles

APPLICATIONS

Western Blotting	1:250-1:1000
Immunocytochemistry / Microscopy	1:250-1:1000

PRODUCT DESCRIPTION

H2AX is a variant of the histone protein H2A, playing a crucial role in chromatin organization and the response to DNA damage. Key functions include: Nucleosome Formation DNA Damage Response (DDR) Recruitment of Repair Proteins Chromatin Remodeling H2AX is essential for signaling and coordinating DNA damage repair. Nucleosome Formation: H2AX contributes to nucleosome structure, helping to compact DNA in the cell nucleus and regulate gene expression by controlling DNA accessibility.

Uniprot ID	P16104
Gene ID	3014
Gene Symbol	H2AX
Gene Aliases	H2AX; H2A/X; H2AX; H2AX histone; histone H2A.x; histone H2AX

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