Histone H2A.X (Phospho-Ser140) Antibody FITC Conjugated

Catalog No: #C04530F

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Histone H2A.X (Phospho-Ser140) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt ICC IF
Species Reactivity	HuB MsB RtB B
Immunogen Description	KLH conjugated synthetic phosphopeptide aa 100-142 143 derived from human Histone H2AX around the phosphorylation site of Ser140
Conjugates	FITC
Target Name	Histone H2A.X Ser140
Other Names	H2AX; H2A.X; H2A X; Histone H2AX; Histone H2A.X; H2AFX
Accession No.	Swiss-Prot#P16104NCBI Gene ID3014
Uniprot	P16104
GeneID	3014;
Excitation Emission	494nm 518nm
Cell Localization	Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1ug/TestB ICC=1:50-200B IF=1:50-200B

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. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Required for checkpoint-mediated arrest of cell cycle progression in response to low doses of ionizing radiation and for efficient repair of DNA double strand breaks (DSBs) specifically when modified by C-terminal phosphorylation.

Note: This product is for in vitro research use only