Product Datasheet

Histone H2A.X Rabbit mAb

Catalog No: #52773

Package Size: #52773-1 50ul #52773-2 100ul

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

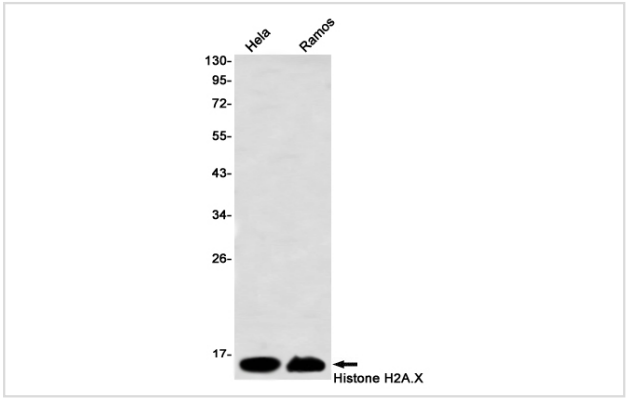
Description

Product Name	Histone H2A.X Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-3C8
Isotype	IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human Histone H2A.X
Conjugates	Unconjugated
Modification	Unmodification
Other Names	H2A.X; H2A/X; H2AFX
Accession No.	Swiss-Prot:P16104GeneID:3014
Uniprot	P16104
GeneID	3014
Calculated MW	Calculated MW:15 kDa,Observed MW:15 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

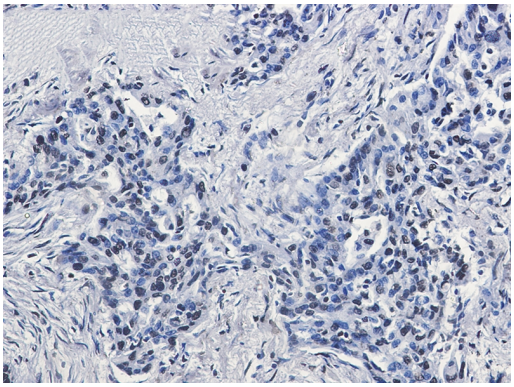
Application Details

WB: 1/1000 IHC: 1/50

Images



Western blot detection of Histone H2A.X in Hela,Ramos using Histone H2A.X Rabbit mAb(1:1000 diluted)



Immunohistochemistry of Histone H2A.X in paraffin-embedded Human lung cancer tissue using Histone H2A.X Rabbit mAb at dilution 1/50

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