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Immunotag™ Phospho-Histone H2A.X (Ser139) Antibody

Antibody Specification

Catalog No.	ITA0958
Product Description	Immunotag™ Phospho-Histone H2A.X (Ser139) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-Histone H2A.X (Ser139)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Histone H2A.X around the phosphorylation site of Serine 139
Specificity	Phospho-Histone H2A.X (Ser139) Antibody detects endogenous levels of Histone H2A.X only when phosphorylated at Serine 139
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	H2AFX
Accession No.	P16104
Alternate Names	AW228881; H2A histone family member X; H2A.FX; H2A.X; H2a/x; H2AFX; H2AX; H2AX histone; H2AX_HUMAN; Hist5.2ax; Histone 2A; Histone 2AX; Histone H2A.X; Histone H2AX; RGD1566119;

Antibody Specification

Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	15kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.