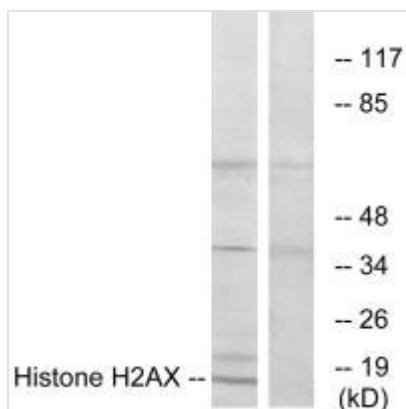


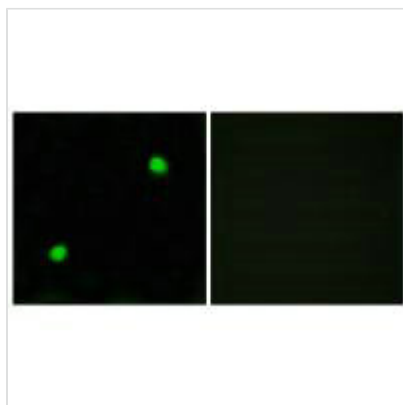


Histone H2AX Antibody

Product Code	CSB-PA833019
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P16104
Immunogen	Synthesized peptide derived from internal of Human Histone H2AX.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total Histone H2AX protein.
Tested Applications	ELISA,WB,IF;WB:1:500-1:3000,IF:1:100-1:500
Relevance	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. The MGC Project Team; Genome Res. 14:2121-2127(2004). Rogakou E.P., J. Biol. Chem. 273:5858-5868(1998). Rogakou E.P., J. Biol. Chem. 275:9390-9395(2000).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	H2A.X; H2AFX; H2a/x; HIST5-2AX; Histone H2A.X
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	H2AFX
Image	



Western blot analysis of extracts from HT-29 cells, using Histone H2AX antibody.



Immunofluorescence analysis of COS7 cells, using Histone H2AX antibody.