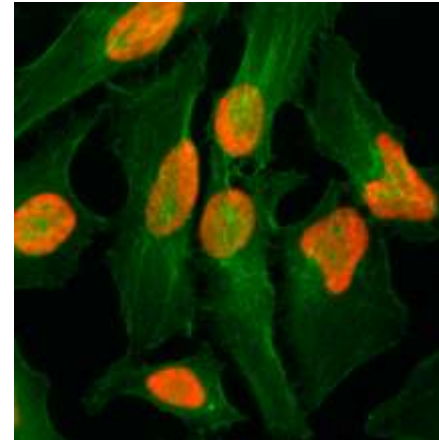


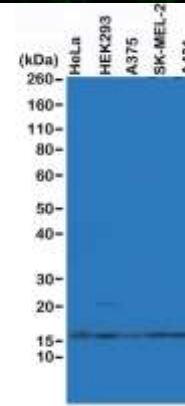
Anti- Histone H2AZ, Rabbit Monoclonal Antibody

CATALOG NO:	A1142-25
ALTERNATIVE NAMES:	Histone H2A.Z, H2A/z, H2AFZ
AMOUNT:	25 µg
CONCENTRATION:	1 mg/ml
CLONE:	RM215
IMMUNOGEN:	A peptide corresponding to the C-terminus of human Histone H2AZ
HOST/ISOTYPE:	Rabbit IgG
SPECIES REACTIVITY:	Human
PURIFICATION:	Protein A affinity purified from an animal origin-free culture supernatant
FORM:	Liquid
FORMULATION:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
SPECIFICITY:	RM215 reacts to Histone H2AZ protein, independent of post-translational modifications. No cross reactivity with other histone proteins. .
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
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. May be involved in the formation of constitutive heterochromatin. May be required for chromosome segregation during cell division.
APPLICATION:	Western Blot: 0.1 µg/mL – 0.5 µg/mL ICC: 1 µg/mL - 2 µg/mL ELISA: 0.1 µg/mL - 1 µg/mL Multiplex: 0.1 µg/mL – 1 µg/mL

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunocytochemistry of HeLa cells, using Anti-Histone H2AZ Rabbit mAb (red). Actin filaments have been labeled with fluorescein phalloidin (green)



Western Blot of HeLa, HEK293, A375, SK-MEL-2 and A431 whole cell lysates, using Anti-Histone H2AZ Rabbit mAb at 0.5 µg/mL, showed endogenous Histone H2AZ

RELATED PRODUCTS:

- Histone H2A (1-129 aa), Xenopus recombinant (**Cat. No. 7668-100**)
- Histone H2A Antibody (**Cat. No. 3621-100**)
- Histone H2A Peptide (**Cat. No. 7145-01**)
- Histone H2AX Antibody (**Cat. No. 3761-100**)
- Histone H2A Blocking Peptide (**Cat. No. 3621BP-50**)

FOR RESEARCH USE ONLY! Not to be used on humans.