

**ImuGeX GmbH**

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Product OverView	
Product name	Anti-Mono-methyl-Histone H2AZ (K4) Antibody
Catalog No	IGX-40104
Supplier's Catalog No	IGX-40104
Supplier	ImuGeX
Host species	Rabbit
Species reactivity	Human
Applications	ELISA, ICC, IF, ChIP
Recommended dilutions	ICC: 1:1-1:10, IF: 1:1-1:10
Molecular weight	N/A
Conjugate	Unconjugated
Immunogen	Peptide sequence around site of Mono-methyl-Lys (4) derived from Human Histone H2A.Z
Specificity	Mono-methyl-H2AFZ (K4) antibody detects endogenous level of Mono-methyl-H2AFZ (K4) protein

Product Properties	
Storage	Store at +4°C for short term (1 week), for long term aliquote and store at -20°C or -80°C. Avoid repeated freeze and thaw cycles, with each freeze and thaw cycle an antibody can lose half of its binding activity.
Clonality	Polyclonal
Isotype	IgG
Clone ID	N/A
Concentration	Concentration can vary between different batches.
Storage buffer	Phosphate-buffered saline (pH 7.4) containing 0.03% Proclin and 50% Glycerol.
Formulation	Liquid
Purification	This antibody is immunogen affinity purified.
Handling	This product contains Proclin as preservative, please take appropriate care when handling this product.
Reactivity life	12 months when stored properly according to instructions (provided antibody remains sterile).

Target Gene	
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.
Other names	Histone H2A.Z, H2A/z, H2AFZ, H2AZ
Cellular localization	Nucleus, Chromosome
Research area	Epigenetics & Nuclear Signaling
Note	This product is for research purpose only, not for use in diagnostics or as therapeutics.
Uniprot ID	P0C0S5
Product Citations	