

**ImuGeX GmbH**

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Product OverView	
Product name	Anti-Phospho-Histone H3.3 (T3) Antibody
Catalog No	IGX-59256
Supplier's Catalog No	IGX-59256
Supplier	ImuGeX
Host species	Rabbit
Species reactivity	Human, Mouse
Applications	ELISA, WB, ICC, Flow cyto
Recommended dilutions	WB: 1:500-1:5000, ICC: 1:50-1:500
Molecular weight	Predicted band size: 16 KDa. Observed band size: 16 KDa
Conjugate	Unconjugated
Immunogen	A synthesized peptide
Specificity	This antibody detects total endogenous levels of Phospho-Histone H3.3 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	Monoclonal
Isotype	Rabbit IgG
Clone ID	N/A
Concentration	Concentration can vary between different batches.
Storage buffer	Phosphate-buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Formulation	Liquid
Purification	Affinity Purified
Handling	This product contains sodium azide (NaN ₃) 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 H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin. 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.
Other names	Histone H3.3, H3F3A, H3.3A, H3F3, PP781, AND, H3F3B, H3.3B
Cellular localization	Nucleus
Research area	Epigenetics & Nuclear Signaling
Note	This product is for research purpose only, not for use in diagnostics or as therapeutics.
Uniprot ID	P84243

Product Citations