



Magic™ Anti-Histone H3.3 (Phospho S28) monoclonal antibody, clone FQ2985Z (DCABH-9699)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Histone H3.3 (phospho S28)
Antigen 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.
Target	Histone H3.3
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding serine 28 of Human Histone H3.3
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	FQ2985Z
Purity	Tissue culture supernatant
Conjugate	Unconjugated
Applications	WB
Positive Control	HeLa cell lysates treated with FBS + calyculin A.
Procedure	Phospho-specific Antibodies
Format	Liquid

Size	100 µl
Buffer	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Storage	store at -20°C. Avoid freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	H3F3A H3 histone, family 3A [Homo sapiens]
Official Symbol	H3F3A
Synonyms	H3F3A; H3 histone, family 3A; H3F3; histone H3.3; H3.3A; H3F3B; MGC87782; MGC87783;
Entrez Gene ID	3020
mRNA Refseq	NM_002107
Protein Refseq	NP_002098
MIM	601128
UniProt ID	B2R4P9
Chromosome Location	1q42.12
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Gene Expression, organism-specific biosystem; Hemostasis, organism-specific biosystem.