



Anti-H3F3A monoclonal antibody, clone DNB408 (CABT-BL4814)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti-H3F3A Monoclonal Antibody
Immunogen	Synthetic peptide corresponding to amino acids 1-19 of human Histone H3, dimethylated on Lys9, conjugated to KLH.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA, ICC, IP
Format	Purified
Size	100 µg
Preservative	None
Storage	Stable for 2 years at 2-8°C from date of receipt. For maximum recovery of product, centrifuge the vial prior to removing the cap. Avoid repeated freeze/thaw cycles, which may damage IgG and affect product performance.

BACKGROUND

Introduction	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B,
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H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded is a replication-independent member of the histone H3 family. [provided by RefSeq, Jul 2008]

GENE INFORMATION

Entrez Gene ID	3020
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Protein Refseq	NP_002098
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UniProt ID	B2R4P9
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Chromosome Location	1q42.12
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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;
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