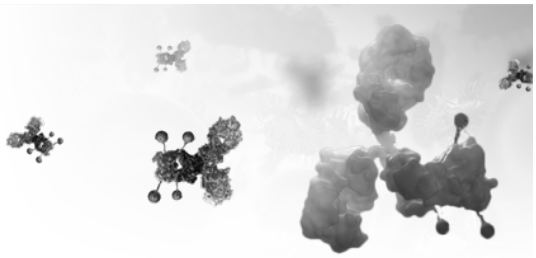

Rabbit Anti-Human Histone H3.3 monoclonal antibody, clone SN200 (CABT-L1337)

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

PRODUCT INFORMATION

Specificity	This antibody reacts to Histone H3.3, independent of post-translational modifications. No cross reactivity with Histone H3.1 or other histone proteins.
Target	H3F3B
Immunogen	Peptide corresponding to human Histone H3.3.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	SN200
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ELISA, WB
Format	Liquid
Concentration	1 mg/ml
Buffer	PBS, pH 7.2-7.4, with 50% glycerol, 1% BSA
Preservative	0.09% Sodium Azide
Storage	-20°C, Avoid Freeze/Thaw Cycles

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BACKGROUND

Introduction	Histone H3 is one of the four core proteins of the nucleosome, and it is involved in transcription regulation, DNA repair, DNA replication and chromosomal stability. The N-terminal tail of Histone H3 undergoes many post-translational modifications, including phosphorylation, acetylation, multiple methylation, ubiquitination, and ADP-ribosylation to achieve its diverse functions. HistoneH3 is acetylated and deacetylated on N-terminal lysine residues. Acetylation removes the positive charge on the histone, decreasing the interaction with the negatively charged phosphate groups of DNA, and resulting in a more relaxed structure associated with greater levels of gene transcription. Acetylation of histone H3 at lysine 9 (H3K9Ac) is one of the most well-known epigenetic markers enriched in the promoter region of activated genes.
Keywords	H3F3B;H3 histone, family 3B (H3.3B);histone H3.3;H3.3B;H3 histone, family 3A;H3F3A

GENE INFORMATION

Entrez Gene ID	3021
UniProt ID	P84243

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