Datasheet for ABIN6952331

anti-Histone H3.3 antibody

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Overview

Quantity:	100 µg
Target:	Histone H3.3 (H3F3A)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Histone H3.3 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Immunogen:	synthetic peptide
Specificity:	Monoclonal antibody raised in rabbit against histone variant H3.3, using a KLH-conjugated synthetic peptide.
Purification:	Protein A purified

Target Details

Target:	Histone H3.3 (H3F3A)
Alternative Name:	Histone H3.3 (H3F3A Products)
Background:	Histones are the main constituents of the protein part of chromosomes of eukaryotic cells. They are rich in the amino acids arginine and lysine and have been greatly conserved during evolution. Histones pack the DNA into tight masses of chromatin. Two core histones of each

Target Details

	class H2A, H2B, H3 and H4 assemble and are wrapped by 146 base pairs of DNA to form one octameric nucleosome. Histone tails undergo numerous post-translational modifications, which either directly or indirectly alter chromatin structure to facilitate transcriptional activation or repression or other nuclear processes. In addition to the genetic code, combinations of the different histone modifications reveal the so-called "histone code". Histone methylation and demethylation is dynamically regulated by respectively histone methyl transferases and histone demethylases. Histone variant H3.3 is preferably present at active genes.
UniProt:	P84243

Application Details

Application Notes:	ChIP/ChIP-seq 1 µg:ChIP WB 1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	PBS, 50 % glycerol, 1 % BSA , 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C