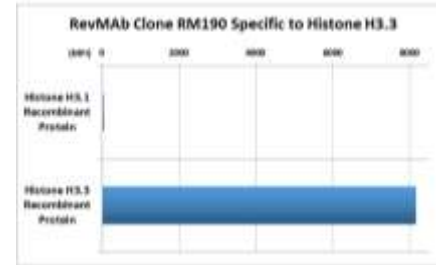
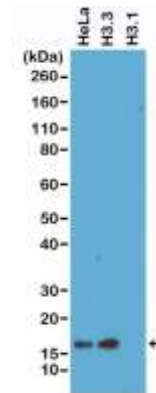


Anti- Histone H3.3 Rabbit Monoclonal Antibody

CATALOG NO:	A1140-25
ALTERNATIVE NAMES:	H3F3A, H3.3A, H3F3, H3F3B, H3.3B
AMOUNT:	25 µg
CONCENTRATION:	1 mg/ml
CLONE:	RM190
IMMUNOGEN:	A peptide corresponding to the C-terminus of human Histone H3.3
HOST/ISOTYPE:	Rabbit IgG
SPECIES REACTIVITY:	Human
PURIFICATION:	Protein A affinity purified from an animal origin-free culture supernatant
FORM:	Liquid
FORMULATION:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
SPECIFICITY:	This antibody reacts to the Histone H3.3 protein, independent of post-translational modifications. No cross reactivity with Histone H3.1 or other histone proteins.
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	Variante 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.
APPLICATION:	Western Blot: 0.5 µg/ml – 2 µg/ml ELISA: 0.2 µg/ml - 1 µg/ml Multiplex: 0.05 µg/ml – 0.5 µg/ml Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Anti-Histone H3.3 antibody reacts specifically to Histone H3.3. No cross reactivity with Histone H3.1



Western Blot of HeLa whole cell lysate, recombinant Histone H3.3, and Histone H3.1 proteins. Using anti-Histone H3.3 antibody at 1 µg/mL, showed a band of histone H3.3 in HeLa cells and recombinant H3.3 protein, and no cross activity with Histone H3.1.

RELATED PRODUCTS:

- Histone H4 (1-103 aa), Human recombinant (**Cat. No. 7671-100**)
- Histone H4 Antibody (**Cat. No. 3624-100**)
- Histone H4 Peptide, tetra-acetylated, biotin conjugate (**Cat. No. 7144-01**)
- Histone H4 Blocking Peptide (**Cat. No. 3624BP-50**)

FOR RESEARCH USE ONLY! Not to be used on humans.