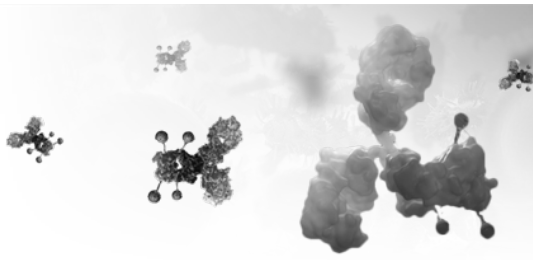

Anti-H3F3A (phospho S31) monoclonal antibody, clone 2B9H20 (CABT-B1226)

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

PRODUCT INFORMATION

Immunogen	KLH-conjugated linear peptide corresponding to human phospho-Histone H3.3 (Ser31).
Isotype	IgG2b, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	2B9H20
Purification	Protein G Purified
Conjugate	Unconjugated
Applications	WB, ELISA
Epitope	Surrounding H3.3 pSer31
Molecular Weight	~17 kDa observed
Format	Liquid
Concentration	Please refer to lot specific datasheet.
Size	100 µg
Buffer	0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.
Preservative	0.05% Sodium Azide
Storage	Stable for 1 year at 2-8°C from date of receipt.

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BACKGROUND

Introduction

Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. Featuring a main globular domain and a long N-terminal tail, H3 is involved with the structure of the nucleosomes of the beads on a string structure. The N-terminal tail of histone H3 protrudes from the globular nucleosome core and can undergo several different types of epigenetic modifications that influence cellular processes. These modifications include the covalent attachment of methyl or acetyl groups to lysine and arginine amino acids and the phosphorylation of serine or threonine. Histone H3 variants (H3.1, H3.2 and H3.3) have been implicated in the epigenetic memory of cellular state. Genome-wide patterns of H3 are dependent on amino acid sequence and change with cellular differentiation at developmentally regulated loci.

GENE INFORMATION

UniProt ID P84243

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