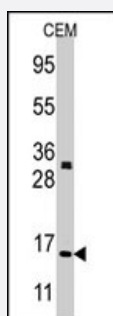


H3F3A/H3F3B polyclonal antibody

Catalog # PAB2227

Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of H3F3A/H3F3B polyclonal antibody (Cat # PAB2227) in CEM cell line lysates (35 ug/lane). Histone H3 (arrow) was detected using the purified polyclonal antibody.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of H3F3A, H3F3B.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human H3 histone.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of H3F3A/H3F3B polyclonal antibody (Cat # PAB2227) in CEM cell line lysates (35 ug/lane). Histone H3 (arrow) was detected using the purified polyclonal antibody.

Gene Info — H3F3A

Entrez GeneID	3020
Protein Accession#	P84243 (Gene ID : 3020);NP_002098 (Gene ID : 3020);NP_005315 (Gene ID : 3021);NP_005315 (Gene ID : 3021)
Gene Name	H3F3A
Gene Alias	H3.3A, H3F3, MGC87782, MGC87783
Gene Description	H3 histone, family 3A
Omim ID	601128
Gene Ontology	Hyperlink
Gene Summary	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, 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]
Other Designations	OTTHUMP00000035618 OTTHUMP00000035619 OTTHUMP00000035621

Gene Info — H3F3B

Entrez GeneID	3021
Protein Accession#	P84243 (Gene ID : 3020);NP_002098 (Gene ID : 3020);NP_005315 (Gene ID : 3021);NP_005315 (Gene ID : 3021)
Gene Name	H3F3B
Gene Alias	H3.3B, H3F3A
Gene Description	H3 histone, family 3B (H3.3B)

Omim ID [601058](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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, 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 member of the histone H3 family. [provided by RefSeq]

Other Designations H3 histone, family 3A|H3 histone, family 3B

Publication Reference

- [The human and mouse replication-dependent histone genes.](#)

Marzluff WF, Gongidi P, Woods KR, Jin J, Maltais LJ.

Genomics 2002 Nov; 80(5):487.

- [The human histone gene cluster at the D6S105 locus.](#)

Albig W, Doenecke D.

Human Genetics 1997 Dec; 101(3):284.

- [Human histone gene organization: nonregular arrangement within a large cluster.](#)

Albig W, Kioschis P, Poustka A, Meergans K, Doenecke D.

Genomics 1997 Mar; 40(2):314.

Pathway

- [Systemic lupus erythematosus](#)
- [Systemic lupus erythematosus](#)

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)

- [HIV Infections](#)