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H3f3b Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5634

Product Information

Application	WB
Primary Accession	P84244
Other Accession	Q16695, P68432, Q42681, P68431, P68433, Q6LBF0, Q6LED0, P59226, Q6LBE3, P84227, Q6LCK1, P84230, P84229, Q6LCW8, Q64400, Q4QRF4, P08903, Q71T45, Q71DI3, P84231, Q402E1, P69246, P68429, P84228, Q6LBE8, P84234, P68430, A2Y533, Q2RAD9, P68427, P69248, P84232, Q76MV0, P68428, P84233, Q28D37, Q10
Reactivity	Mouse
Predicted	Human, Mouse, Monkey, Dog, Sheep, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15328
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	15078;15081
Antigen Region	103-136
Other Names	Histone H33, H3f3a, H33a
Dilution	WB~~1:2000
Target/Specificity	This H3f3b antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 103-136 amino acids from mouse H3f3b.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	H3f3b Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	H3-3a {ECO:0000250|UniProtKB:P84243}
Function	Variant 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.
Cellular Location	Nucleus. Chromosome.

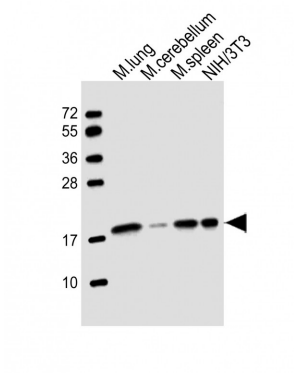
Background

Variant 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.

References

Hraba-Renevey S.,et al.Nucleic Acids Res. 17:2449-2461(1989).
Bramlage B.,et al.Differentiation 62:13-20(1997).
Lopez-Alanon D.M.,et al.DNA Cell Biol. 16:639-644(1997).
Carninci P.,et al.Science 309:1559-1563(2005).
Mancini P.,et al.J. Mol. Evol. 59:458-463(2004).

Images



All lanes : Anti-H3f3b Antibody (C-Term) at 1:2000 dilution Lane 1: mouse lung lysate Lane 2: mouse cerebellum lysate Lane 3: mouse spleen lysate Lane 4: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.