

Product datasheet for **TA357782**

H3f3a Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	Expected reactivity: Dog, Pig, Rat, Zebrafish Homology: Dog: 100%; Pig: 100%; Rat: 100%; Zebrafish: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	15kDa
Gene Name:	H3 histone, family 3A
Database Link:	NP_032236 Entrez Gene 15078 Mouse P84244



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Background:

H3f3a is a variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. H3f3a constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. H3f3a is 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.

Synonyms:

H3.3A; H3.3B; H3F3; MGC87782; MGC87783; OTTHUMP00000035619;
OTTHUMP00000035621

Product images:

WB Suggested Anti-H3f3a Antibody
Titration: 1.0 ug/ml
Positive Control: Mouse Spleen