

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.

Note that this product is shipped as lyophilized powder to China customers.

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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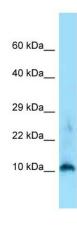
Background:

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; OTTHUMP0000035621

Product images:



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