

**Anti-Histone H3 Antibody**  
**Mouse monoclonal antibody to Histone H3**  
**Catalog # AP59469****Specification**

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**Anti-Histone H3 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q6PI20</a>
Reactivity	Zebrafish
Host	Mouse
Clonality	Monoclonal
Calculated MW	15328

**Anti-Histone H3 Antibody - Additional Information****Gene ID** 336231;394076;406269;550262**Other Names**

HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; Histone H3/h; Histone H3/i; Histone H3/j; Histone H3/k; Histone H3/l; HIST2H3A; HIST2H3C; H3F2; H3FM; HIST2H3D; Histone H3.2; Histone H3/m; Histone H3/o; H3F3A; H3.3A; H3F3; PP781; H3F3B; H3.3B; Histone H3.3

**Target/Specificity**

Recognizes endogenous levels of Histone H3 protein.

**Dilution**

WB~~1/1000 - 1/3000

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-Histone H3 Antibody - Protein Information****Name** h3f3a**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.

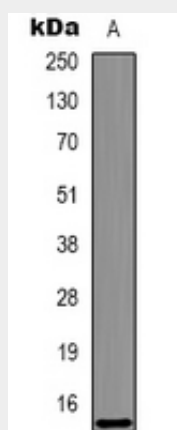
**Cellular Location**

Nucleus. Chromosome.

**Anti-Histone H3 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Histone H3 Antibody - Images**

Western blot analysis of Histone H3 expression in zebrafish skeletal muscle (A) whole cell lysates.

**Anti-Histone H3 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence of zebrafish Histone H3. The exact sequence is proprietary.