

## Anti-Histone H3 Mab Antibody(2D9)

Cat #: D-AKE1100

Size: 50 µL / 200 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

### Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. HIST1H3A is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from HIST1H3A lack polyA tails; instead, they contain a palindromic termination element. HIST1H3A is found in the large histone gene cluster on chromosome 6p22-p21.3.

### Product Information

**Applications:** WB

Suggested starting dilutions are as follows: WB (1:1000-1:3000).

**Isotype:** Mouse IgG

**Reactivity:** Zebrafish

**Formulation:** Liquid

**Concentration:** 1 mg/mL

**Storage:** Store at -20°C. Avoid repeated freeze / thaw cycles.

**Storage Buffer:** Liquid in PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

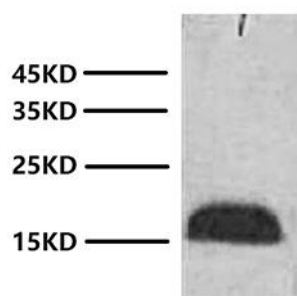


Fig. Western blot analysis of Zebrafish skeletal muscle with Anti-Histone H3 Monoclonal Antibody (2D9) at 1:2000 dilution.

**Note:**

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.