

## Anti-Histone H3 Mouse Mab Antibody(2D10)

Cat #: D-AKE1070

Size: 50  $\mu$ L / 200  $\mu$ L

Storage: Store at  $-20^{\circ}\text{C}$ . Avoid repeated freeze / thaw cycles.

### Background

Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. Core component of nucleosome. 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.

### Product Information

**Applications:** WB, IHC, IF, IP

Suggested starting dilutions are as follows: WB (1:2000-1:5000), IHC (1:50-1:300), IF (1:100-1:500), IP (1:200).

**Isotype:** Mouse IgG1

**Reactivity:** Human, Mouse, Rat, Yeast

**Formulation:** Liquid

**Concentration:** 1 mg/mL

**Storage:** Store at  $-20^{\circ}\text{C}$ . 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  $-20^{\circ}\text{C}$  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.

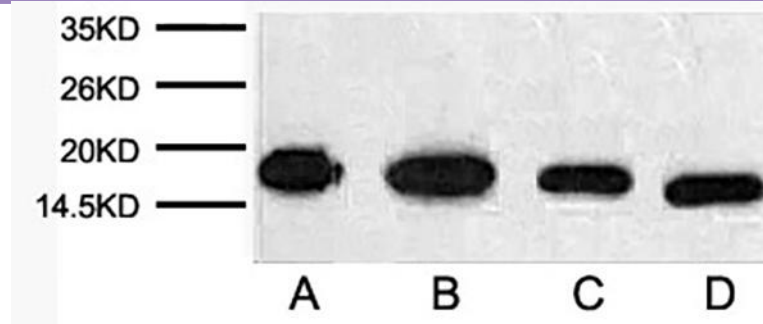


Fig. Western blot analysis (1:2000) of Histone H3 expression in HepG2 (lane A), 293T (lane B), Mouse brain tissue (lane C) and rat brain tissue (lane D) with Anti-Histone H3 Mouse Monoclonal Antibody (2D10).

**Note:**

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