

Anti-Histone H3 Monoclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
E021130-01	100µl
E021130-02	500µl
E021130-03	50µl

Specificity	Anti- Histone H3 (Human Rat Mouse)
Source	Mouse Monoclonal
Application	WB
Form	Liquid, 1 mg/ml

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.

Specificity and Sensitivity

The Histone H3 antibody can detect endogenous Histone H3 protein.

Source and Purification

This monoclonal antibody is produced by immunizing mice with a synthetic peptide corresponding to an epitope of Histone H3 coupled to KLH. Antibodies are purified by protein A affinity chromatography.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:1000~5,000

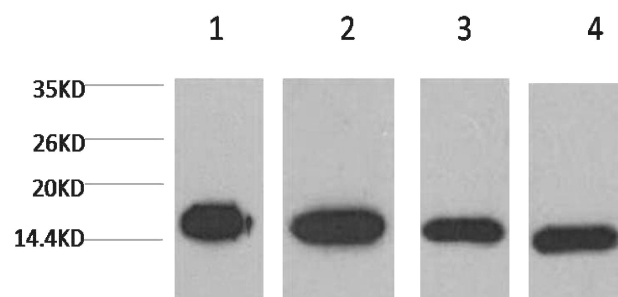
Storage Buffer

PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.

Storage Instructions

Stable for 1 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. Aliquot will be stable at 4°C for 3 months.

Images



Western blot analysis of 1) HeLa, 2) Raw, 3) Mouse Brain Tissue, 4) Rat Brain Tissue with Histone H3 diluted at 1:5,000.