Product Name: HH3 Mouse Monoclonal Antibody
Catalog #: AMM81428

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	15.4kDa

Antigen Information

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Gene Name	HH3
Alternative Names	HIST2H3A;H3/n; H3/o
Gene ID	333932.0
SwissProt ID	Q71DI3
Immunogen	Synthesized peptide fragment of human HH3 (AA: 121-136) expressed in E. Coli.

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. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.
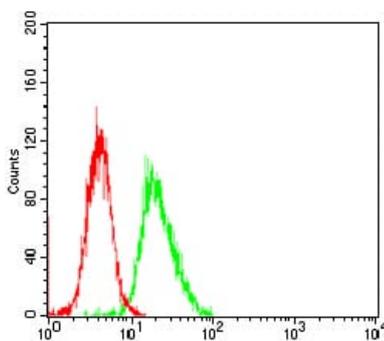
Research Area

Image Data
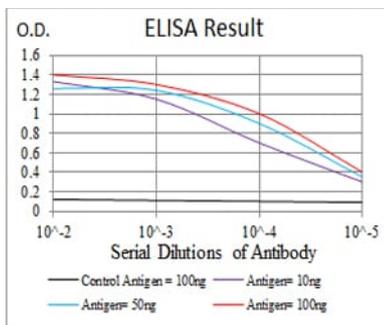
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);
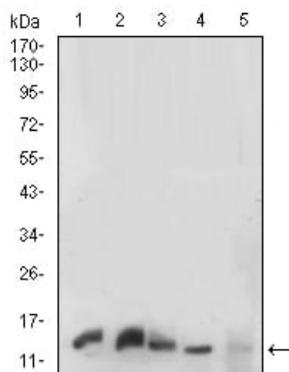
Western blot analysis using HH3 mouse mAb against K562 (1), C6(2),HEK293(3),PC-12(4) and NIH/3T3(5) cell lysate.

Flow cytometric analysis of NIH/3T3 cells using HH3 mouse mAb (green) and negative control (red).