Datasheet for ABIN7565776

anti-Histone Cluster 2, H3c (HIST2H3C) (H3K4me) antibody

Go to Product page

Overview

Quantity:	25 µL
Target:	Histone Cluster 2, H3c (HIST2H3C)
Binding Specificity:	H3K4me
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), Dot Blot (DB), Fluorescence Microscopy (FM)

Product Details

Purpose:	Histone H3 K4me1 Antibody
Immunogen:	Immunogen: Histone H3 K4me1 Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic monomethylated peptide surrounding Lysine 4 of human Histone H3.2. Immunogen Type: Conjugated Peptide
Cross-Reactivity (Details):	This antibody reacts with human Histone H3.
Characteristics:	Synonyms: rabbit anti-Anti-Histone H3 Monomethyl Lys4 antibody, rabbit anti-Histone H3 K4 me1 antibody, H3 K4me1, H3.3B, H3 histone, family 3A, H3.3AH3F3H3F3B, histone H3.3, MGC87783, MGC87782
Purification:	Anti-Histone H3 [Monomethyl Lys4] was purified from monospecific antiserum by protein A

Product Details

	affinity purification.
Sterility:	Sterile filtered

Target Details

Target:	Histone Cluster 2, H3c (HIST2H3C)
Alternative Name:	HIST2H3C (HIST2H3C Products)
Background:	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 telomeric copy. Anti-Histone H3 are ideal for researchers interested in Chromatin Modifiers, Chromatin Research, Histones and Modified Histones, and Epigenetics Research.
Gene ID:	126961
NCBI Accession:	NP_001005464
UniProt:	Q71DI3

Application Details

Application Notes:	Application Note: Anti-Histone H3 [Monomethyl Lys4] antibody has been tested in ELISA, Dot blot, and Western Blot. Histone3 K4me1 is useful for Western Blot, Immunocytochemistry, Immunofluorescence, Chromatin Immunoprecipitation, and Dot Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~15.4 kDa corresponding to Histone H3 protein by Western Blotting in the appropriate cell lysate or extract. Immunohistochemistry Dilution: 2 mg/mL - 5 µg/mL ChIP Dilution: 2-5 µg/million cells Western Blot Dilution: 1:500 - 1:2,000 ELISA Dilution: 1:3,000 - 1:10,000 IF Microscopy Dilution: 2 - 5 µg/mL Other: Dot Blot 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months

