Datasheet for ABIN3016051

# anti-Histone H4 antibody (3meLys20)

12 Images

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | Histone H4 |
| Binding Specificity: | 3meLys20 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Histone H4 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Dot Blot (DB) |

## Product Details

| | |
|---|---|
| Immunogen: | A synthetic methylated peptide corresponding to residues surrounding K20 of human histone H4 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Methylated Antibodies |
| Purification: | Affinity purification |

## Target Details

| | |
|---|---|
| Target: | Histone H4 |
| Abstract: | Histone H4 Products |

## Target Details

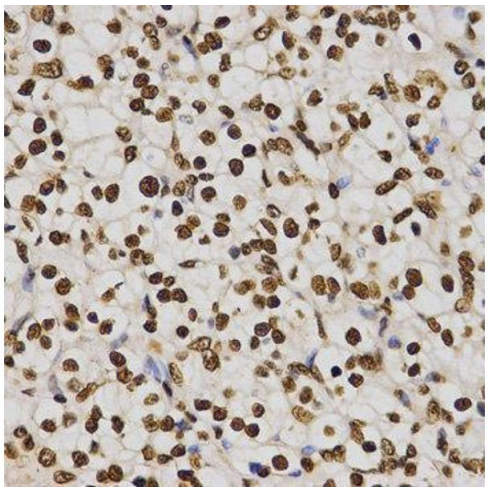
| | |
|---|---|
| Background: | Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (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 replication-dependent histone that is a member of the histone H4 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.,FO108,H4,H4/n,H4F2,H4FN,HIST2H4,Histone H4,HIST1H4A,HIST2H4A,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Methylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Methylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Methylation,Histone H4 |
| Molecular Weight: | 11 kDa |
| Gene ID: | 8370 |
| UniProt: | P62805 |

## Application Details

| | |
|---|---|
| Application Notes: | DB,1:500 - 1:2000,WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200 |
| Restrictions: | For Research Use only |

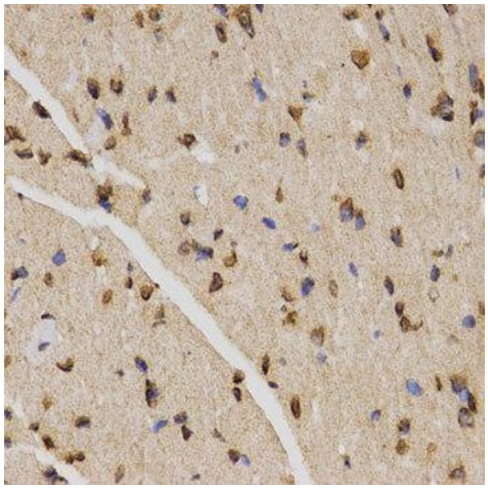
## Handling

| | |
|---|---|
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| 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 at -20°C. Avoid freeze / thaw cycles. |



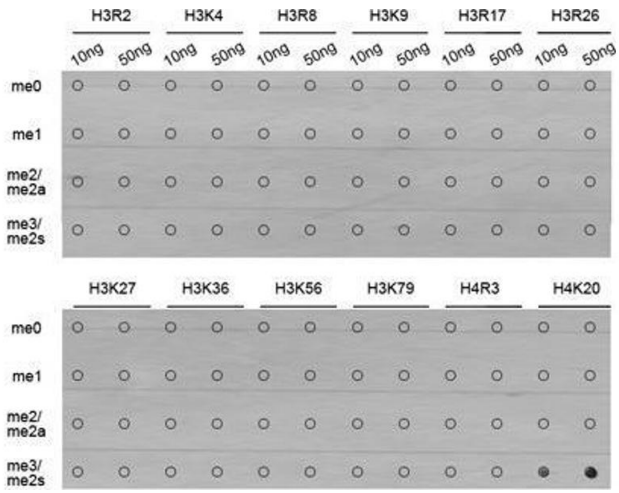
## Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human kidney cancer tissue using H4K20me3 antibody at dilution of 1:200 (x400 lens).



## Immunohistochemistry

**Image 2.**




## Dot Blot

**Image 3.**

Please check the product details page for more images. Overall 12 images are available for ABIN3016051.