Datasheet for ABIN3017480

anti-Histone 3 antibody (H3R2me2)

6 Images | 1 Publication

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Overview

Quantity:	100 µL
Target:	Histone 3 (H3)
Binding Specificity:	H3R2me2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), Immunoprecipitation (IP), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Immunogen:	A synthetic methylated peptide corresponding to residues surrounding R2 of human histone H3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Methylated Antibodies
Purification:	Affinity purification

Target Details

Target:	Histone 3 (H3)
Alternative Name:	Histone H3 (H3 Products)

Target Details

Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 H3 family. Transcripts from this gene lack polyA tails, instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.,H3.4,H3/g,H3FT,H3t,HIST3H3,Histone H3,HIST1H3A,Signal Transduction,MAPK-Erk Signaling Pathway,MAPK-P38 Signaling Pathway,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Methylation,Histone H3
Molecular Weight:	15 kDa
Gene ID:	8290
UniProt:	Q16695

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200,IP,1:50 - 1:200,ChIP,1:20 - 1:100,ChIP-seq,1:20 - 1:100
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.

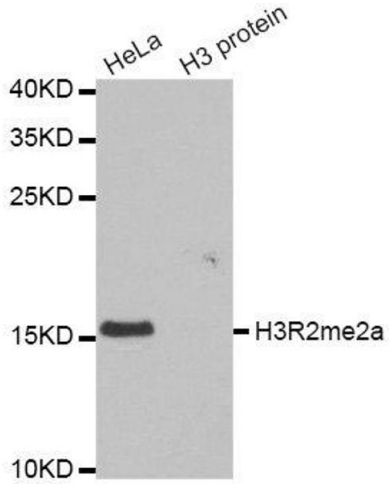
Publications

Product cited in:	Li, Zhu, Wang, Fu, Hou, Ji, Chen, Hu, Shao, Yu, Zhao, Zhang, Du, Bu, Hu, Tang, Zhong, Yang, Zhao, Cen: "Arginine Methyltransferase 1 in the Nucleus Accumbens Regulates Behavioral Effects of Cocaine." in: **The Journal of neuroscience : the official journal of the Society for**

Publications

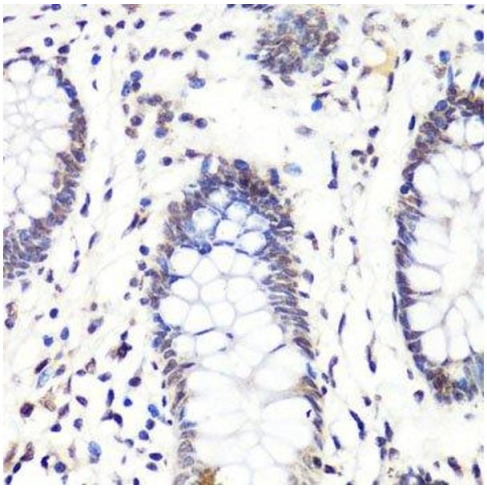
Neuroscience, Vol. 35, Issue 37, pp. 12890-902, (2016) (PubMed).

Images



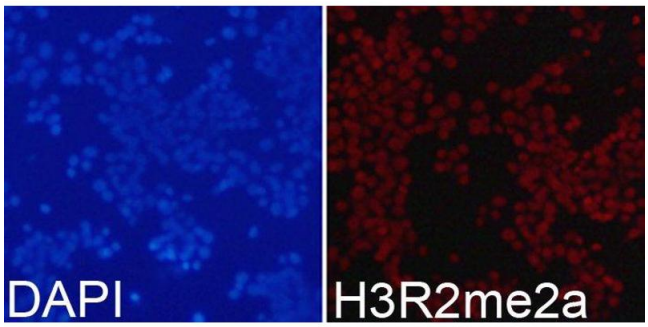
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Asymmetric DiMethyl-Histone H3-R2 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human colon using H3R2me2a antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of 293T cells using Asymmetric DiMethyl-Histone H3-R2 antibody.

Please check the product details page for more images. Overall 6 images are available for ABIN3017480.