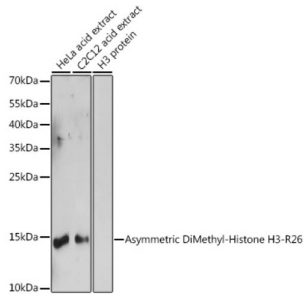
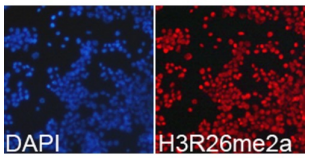
# Histone H3R26me2a Antibody

Catalogue No.:abx000022




Western blot analysis of various lysates using Asymmetric DiMethyl-Histone H3-R26 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 150s.




Immunofluorescence analysis of 293T cells using Asymmetric DiMethyl-Histone H3-R26 Antibody. Blue: DAPI for nuclear staining.



Asymmetric Dimethyl-Histone H3-R26 (Histone H3R26me2a) Antibody is a Rabbit Polyclonal antibody against Histone H3R26me2a. Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.

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|---|---|
| **Target:** | Histone H3R26me2a |
| **Clonality:** | Polyclonal |
| **Reactivity:** | Human, Mouse, Rat |
| **Tested Applications:** | ELISA, WB, IF/ICC |
| **Host:** | Rabbit |
| **Recommended dilutions:** | ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | A synthetic asymmetric dimethylated peptide around R26 of human histone H3. |


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|---|---|
| **Isotype:** | IgG |
| **Form:** | Liquid |
| **Purification:** | Purified by affinity chromatography. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |
| **UniProt Primary AC:** | P68431 (UniProt, ExPASy) |
| **Gene Symbol:** | H3C12 |
| **GeneID:** | 8356 |
| **NCBI Accession:** | NP_003520.1 |
| **KEGG:** | hsa:8350, hsa:8351, hsa:8352, hsa:8353, hsa:8354, hsa:8355, hsa:8356, hsa:8357, hsa:8358, hsa:8968 |
| **String:** | 9606.ENSP00000484841 |
| **Molecular Weight:** | Calculated MW: 15 kDa<br>Observed MW: 14 kDa |
| **Buffer:** | PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol. |
| **Concentration:** | 1.39 mg/ml |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |




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