citrulline-Histone H3-R2/R8/R17 Rabbit Polyclonal Antibody

CAB18298

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

17KDa

Calculated MW:

15kDa

Applications:

WB IF

Reactivity:

Human, Mouse, Rat, Other (Wide Range)

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IF 1:50 - 1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

Immunogen information

Gene ID:
8350

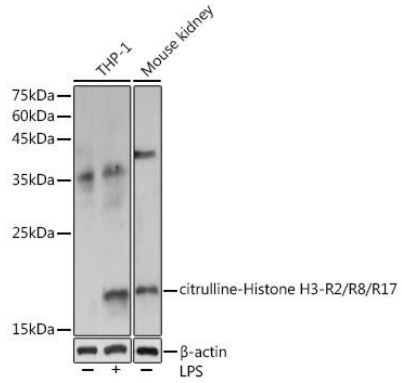
Uniprot
P68431

Synonyms:
H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A

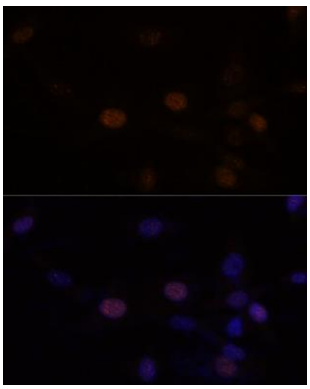
Immunogen:
A synthetic Peptide of citrulline-Histone H3-R2/R8/R17.

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using citrulline-Histone H3-R2/R8/R17 Rabbit pAb (CAB18298) at 1:500 dilution.THP-1 cells were treated by LPS (1 ug/mL) at 37'C for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 180s.



Immunofluorescence analysis of NIH/3T3 cells using citrulline-Histone H3-R2/R8/R17 antibody (CAB18298) at dilution of 1:100. Blue: DAPI for nuclear staining.

