

MonoMethyl-Histone H3-K36 pAb

| | | | |
|-------------------------|---------------------------------------|----------------------|-----------------------|
| Catalog No. | A2364 | Category | Methylated Antibodies |
| Applications | WB, IHC, IF, IP, ChIP, ChIPseq | Observed MW | 16kDa |
| Cross-reactivity | Human, Mouse, Rat, Other (Wide Range) | Calculated MW | 15kDa |

Immunogen Information

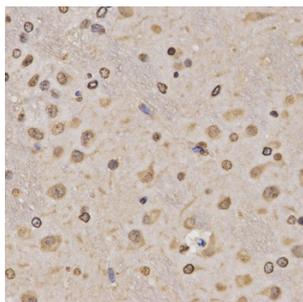
| | |
|-------------------|--|
| Immunogen | A synthetic methylated peptide corresponding to residues surrounding K36 of human histone H3 |
| Gene ID | 8290 |
| Swiss prot | Q16695 |
| Synonyms | HIST3H3; H3.4; H3/g; H3FT; H3t; histone H3.1t |

Product information

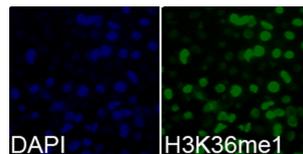
| | |
|----------------------------|--|
| Source | Rabbit |
| Isotype | IgG |
| Purification method | Affinity purification |
| Storage | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

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.



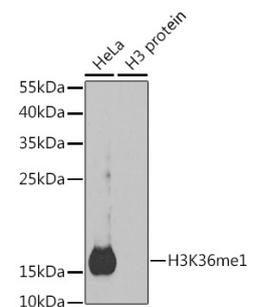
Immunohistochemistry - MonoMethyl-Histone H3-K36 pAb (A2364)



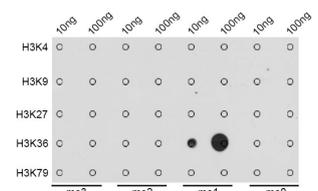
Immunofluorescence - MonoMethyl-Histone H3-K36 pAb (A2364)

Recommended Dilutions

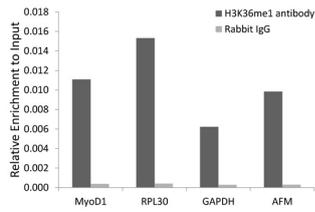
| |
|----------------------|
| WB 1:500 - 1:2000 |
| IHC 1:50 - 1:200 |
| IF 1:50 - 1:200 |
| IP 1:50 - 1:200 |
| ChIP 1:20 - 1:100 |
| ChIPseq 1:20 - 1:100 |



Western blot - MonoMethyl-Histone H3-K36 pAb (A2364)



Dot Blot - MonoMethyl-Histone H3-K36 pAb (A2364)



Chromatin Immunoprecipitation -
MonoMethyl-Histone H3-K36 pAb (A2364)