

## CAB20680

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### Product Information

<b>Product SKU:</b>	CAB20680	<b>Gene ID:</b>	8290/8350	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC2621	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse,Rat,Other (Wide Range Predicted)

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### Additional Information

<b>Observed MW:</b>	17kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	16kDa	<b>Isotype:</b>	IgG

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### Immunogen Information

<b>Background:</b>	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.
<b>Recommended Dilution:</b>	DB,1:500 - 1:1000 WB,1:500 - 1:1000 IHC-P,1:50 - 1:200 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cellsIF/ICC,1:50 - 1:200 ChIP,5µg antibody for 5µg-10µg of ChromatinCUT&Tag, 10 <sup>5</sup> cells /1 µg
<b>Synonyms:</b>	H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; MonoMethyl-Histone H3-K18
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	A synthetic monomethylated peptide around K18 of human histone H3 (P68431).
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

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