

**Histone H3 (Mono Methyl Lys10) rabbit pAb****Cat#: orb763954 (Manual)**

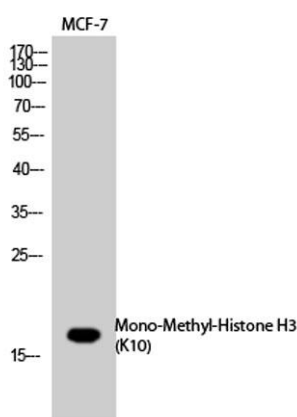
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<b>Product Name</b>	Histone H3 (Mono Methyl Lys10) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	Synthesized peptide derived from human Histone H3 around the mono-methylation site of K10.
<b>Specificity</b>	Mono-Methyl-Histone H3 (K10) Polyclonal Antibody detects endogenous levels of Histone H3 protein only when mono-methylated at K10.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Histone H3.1/Histone H3.2/Histone H3.3/Histone H3.3C
<b>Gene Name</b>	HIST1H3A/HIST1H3/HIST1H3C/HIST1H3D/HIST1H3E/HIST1H3F/HIST1H3G/HIST1H3H/HIST1H3I/HIST1H3J/HIST2H3A/HIST2H3C/HIST2H3D/H3F3A/H3F3B/H3F3C
<b>Cellular localization</b>	Nucleus. Chromosome.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	17kD
<b>Human Gene ID</b>	8350/8351/8352/8353/8354/8355/8356/8357/8358/8968/126961/333932/653604/3020/3021/440093
<b>Human Swiss-Prot Number</b>	P68431/Q71DI3/P84243/Q6NXT2
<b>Alternative Names</b>	H3K10ME1; HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; Histone H3.1; Histone H3.1; Histone H3.2; Histone H3/m; Histone H3/o; H3F3A; H3.3A; H3

#### 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. [provided by RefSeq, Aug 2015],



**Western Blot analysis of MCF7 cells using Mono-Methyl-Histone H3 (K10) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**