

## Mouse Monoclonal Antibody to HIST2H4A(20Me)

<b>Catalogue Number</b>	sAP-1222
<b>Target Molecule</b>	<p><b>Name:</b> HIST2H4A(20Me)</p> <p><b>Aliases:</b> H4; H4/n; H4F2; H4FN; FO108; HIST2H4</p> <p><b>MW:</b> 11.4kDa</p> <p><b>Entrez Gene ID:</b> 8370</p>
<b>Description</b>	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 member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.;
<b>Immunogen</b>	Synthesized peptide of human HIST2H4A ( AA: GGAKRHRK(Me)VLRDNIQ ).
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM3E7H2;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.J Virol. 2011 Dec;85(24):13234-52. ; 2.Mol Cell Biol. 2003 Feb;23(4):1460-9.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**