

## Mouse Monoclonal Antibody to HH3

<b>Catalogue Number</b>	sAP-1084
<b>Target Molecule</b>	<p><b>Name:</b> HH3</p> <p><b>Aliases:</b> HIST3H3;H3t; H3.4; H3/g; H3FT</p> <p><b>MW:</b> 15.5kDa</p> <p><b>Entrez Gene ID:</b> 8290</p>
<b>Description</b>	<p>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 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.</p>
<b>Immunogen</b>	Synthesized peptide of human HH3 (AA: ARTKQTAR(AcK)STG-C).
<b>Reactive Species</b>	Human; Mouse;
<b>Clone</b>	MM4E9B11;
<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; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. J Cell Biochem. 2009 Oct 1;108(2):400-7.; 2. Trends Biochem Sci. 2005 Jul;30(7):357-9.

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**