



Figure S1. The influence of hop-8 and prostratin on other APOBEC3s. The mRNA levels of A3A (A), A3B (B), A3C (C), A3D (D), A3F (E) and A3H (F) in PBMCs when treated with hop-8 (2 μ M) (black) or prostratin (2 μ M) (gray). Each data point represents the mean relative quantity (relative to the mock) \pm standard deviation (bars) \pm standard deviation (bars), n=2. Data were analyzed with GraphPad Prism 6.0.

Table S1. Inhibitive ability of hop-8 against the key enzymes of HIV and gp41.

Target	IC ₅₀ (μM) ¹
Reverse transcriptase	>67.5
Protease	>67.5
Integrase	>67.5
gp41	>67.5

¹ IC₅₀, concentration at 50% inhibition, n=2.

Table S2. Information of the primers used in this study.

Gene	GenBank accession No.	Sequence (5'-3') ¹
GAPDH ²	M33197.1	5'- GCTTCGCTCTCTGCTCCTCCTGTT-3' (S) 5'- ACGACCAAATCCGTTGACTCCGACC-3' (A)
APOBEC3A	NM_145699.3	5'- CGGGCCCAGACACTTGATGGAT-3' (A) 5'- CATTGTCCAGGCGCTCCACTTC-3' (S)
APOBEC3B	NM_004900.4	5'- ATGGTCGGAGCTACACTTGGCT-3' (A) 5'- GGCTTGAAATACACCTGGCCTCG-3' (S)
APOBEC3C	NM_014508.2	5'- CTGCTCAACTGCAAGGACGCTG-3' (A) 5'- ACATTGCCTTCATCGGGTTTCTGA-3' (S)
APOBEC3D	NM_152426.3	5'- GGGCCGCTCAAATCTCCTTTGG-3' (A) 5'- CCGGAAATACACCTCCTGCCTG-3' (S)
APOBEC3F	NM_145298.5	5'- TTCGAGGCCAGGTGTATTCCCAG-3' (A) 5'- ATGGTCAGGGTGACATTGGGGT-3' (S)
APOBEC3G ²	JF262036.1	5'- TTGTAGATGAGTGCTCCGTGG-3' (A) 5'- CACGTGAGCCTGTGCATCTTC-3' (S)
APOBEC3H	NM_001166003.2	5'- TGGGCTTCCCAGAGTTTGCTGA-3' (A) 5'- CCGTCGCTTTATGGCTCGACTG-3' (S)

¹ S, sense; A, antisense.

²The primers of GAPDH and APOBEC3G were cited from the reference [10].