

Figure S1. Schematic diagram of primers used in absolute quantification real-time PCR. Black arrows indicated the relative positions of the primers and red arrows indicated the position of the Taqman® probe which was targeted to different HID-1 transcripts. Blue lines showed the relative position of the start codon and red lines showed the stop codon which is predicted from the bioinformatics approach as a sense protein can be translated with this region of the transcripts.

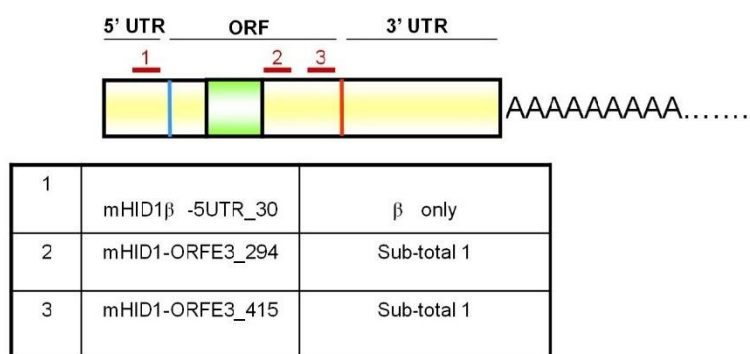


Figure S2. Schematics diagram of the relative position of siRNA on HID-1β transcripts. Red bars indicated the position of siRNA.

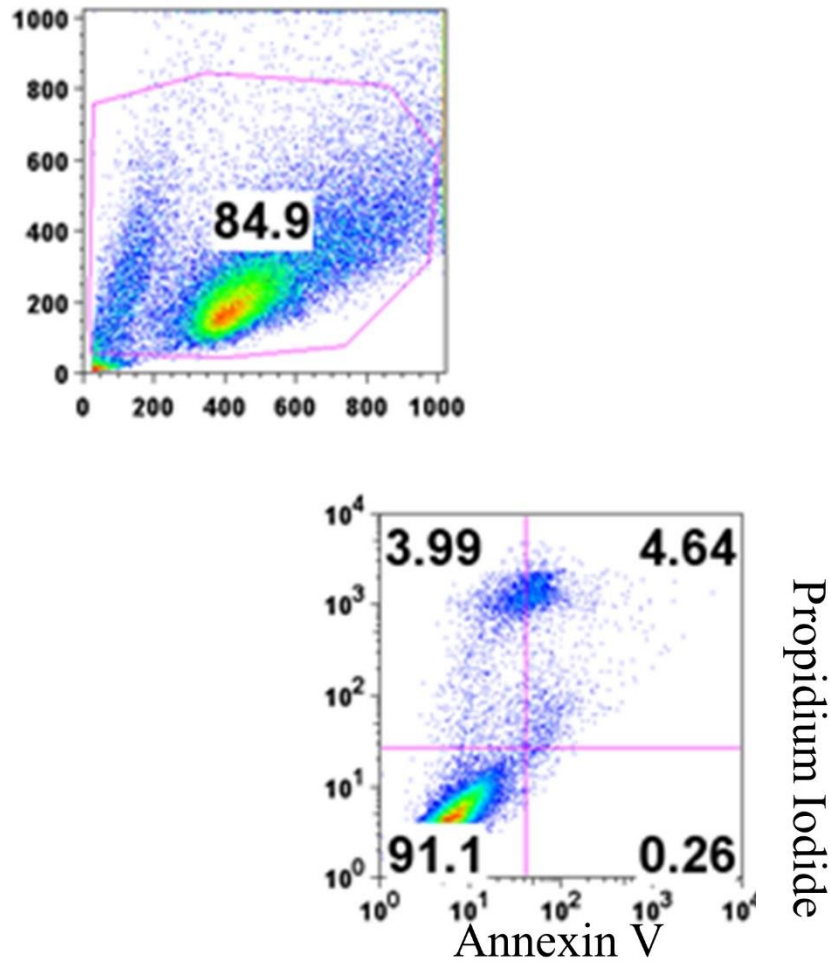


Figure S3. Gating Strategy for apoptotic cells determination by OGD in Neuro2a cells.

Table S1. Primers for absolute quantification real-time PCR.

Primer	Sequence (5' to 3')	Size (bp)
HID-1 α -IIIa	Sense - tgaaccagccaatccttaacctaa	171
	Antisense - ttctttcattatcactgcttg	
HID-1 α -IIIb	Sense - tgaaccagccaatccttaacctaa	193
	Antisense - ctaggcgagagctaggaggga	
HID-1 β	Sense - gtgcggtgtgtgttcat	178
	Antisense - tccttctaatacctcttcgaacga	
HID-1 γ	Sense - cccttctcttctgcctatgtgt	105
	Antisense - tccttctaatacctcttcgaacga	
HID-1 κ	Sense - actcctgtgacgggccttgaa	132
	Antisense - tccttctaatacctcttcgaacga	
HID-S1	Sense - gaaaagaagaccagatgataat	125
	Antisense - tccttctaatacctcttcgaacga	
HID-S2	Sense - gaaaagaagaccagatgataat	144
	Antisense - ctaggcgagagctaggaggga	
HID-E2 (Total)	Sense - gaaaagaagaccagatgataat	72
	Antisense - tccttctaatacctcttcgaacga	