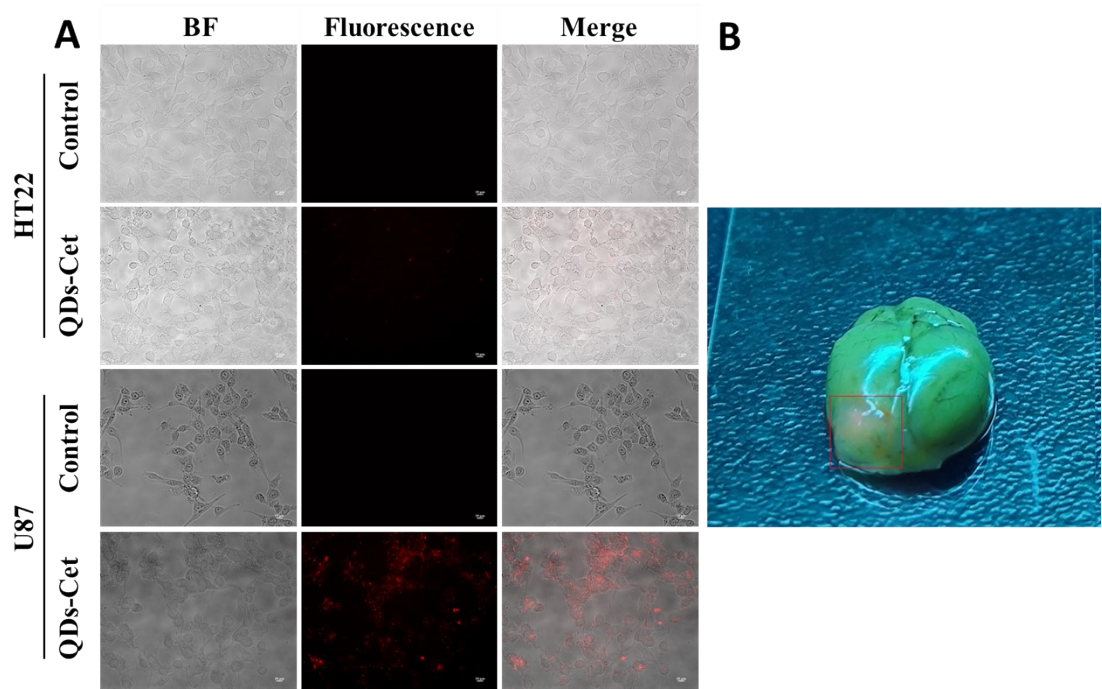


Supplementary



S-1: CdTe/ZnS-Cet probe in vivo and in vitro imaging. (A) CdTe/ZnS-Cet probe image in HT22 and U87 cells. (B) CdTe/ZnS-Cet probe image in tumor-bearing mice brain.

Table S1: Primers sequence of genes

		qRT-PCR prime	
gene		Upstream primer (5'-3')	Downstream primer (5'-3')
Mitochondrial damage related genes	pink-1	AAGCACCAGAAATTGCGACG	ACGAGATGGGAGTGCTGGTA
	pdr-1	AGCCACCGAGCGATTGATTGC	GTGGCATTTTGGGCATCTTCTTG
	drp-1	GTCAGCTGTACAAACCCGAC	GGAGGGCCTTCATAGTTTCAAG
	fzo-1	GTCCCTGCTCTTGTC AATGATT	TGCGACGAATTATTGCGTGT
	eat-3	TGCCAGTGCAGCTCGACATCT	CATACCACGTTCTAGCCGCGACA
Oxidative stress-related genes	sod-1	CGTAGGCGATCTAGGAAATGTG	TGACGAGCGTGTCGGTGAG
	sod-2	GATACTGTCCAAAGGGAAAGAT	GTAGTAAGCGTGCTCCCAGA
	sod-3	ATCTACTGCTCGACTGCTT	TTTCATGGCTGATTACAGGTT
	ctl-2	TCCCAGATGGGTACCGTCAT	GGTCCGAAGAGGCAAGTTGA
	gst-4	TCTTGCTGAGCCAATCCGTA	TGGCCAAATGGAGTCGTTGG
actin-1		CTACGAACCTCCTGACGGACAAG	CCGGCGGACTCCATACC