



Lane M: Molecular weight markers
 Lane 1: Untreated
 Lane 2: Fucoxanthin (5 $\mu\text{g/ml}$)
 Lane 3: Fucoxanthin (10 $\mu\text{g/ml}$)
 Lane 4: Fucoxanthin (20 $\mu\text{g/ml}$)

CMT-U27				
Fucoxanthin ($\mu\text{g/ml}$)	Cas8/ β -actin	cl-Cas8/ β -actin	PARP/ β -actin	cl-PARP/ β -actin
0	1.323564002	0.527500311	1.350730415	0.576089245
5	3.224276246	0.633331105	2.979020537	0.738223759
10	3.296589588	1.121295213	4.866831468	0.890435399
20	2.335456798	0.924754964	3.513100665	0.804857263

Figure S1. Immunoblots and densitometry reading/intensity ratio of apoptotic markers in CMT-U27 cells. CMT-U27 cells were treated with 0, 5, 10, and 20 $\mu\text{g/ml}$ of fucoxanthin for 24 h. The protein expression of cas8 (55 kDa), cleaved-cas8 (43 kDa), PARP (116 kDa), and cleaved-PARP (89 kDa) was analyzed by (a) western blots and (b) densitometry reading/intensity ratio. The band intensity was normalized to the corresponding β -actin value. Cas8, caspase8; cl-Cas8, cleaved-caspase8; cl-PARP, cleaved-PARP.