



Lane M: Molecular weight markers
Lane 1: Untreated
Lane 2: Fucoxanthin (5 µg/ml)
Lane 3: Fucoxanthin (10 µg/ml)
Lane 4: Fucoxanthin (20 µg/ml)

b

| CMT-U27 | | | | |
|---------------------|--------------|-----------------|--------------|-----------------|
| Fucoxanthin (µg/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 µg/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.