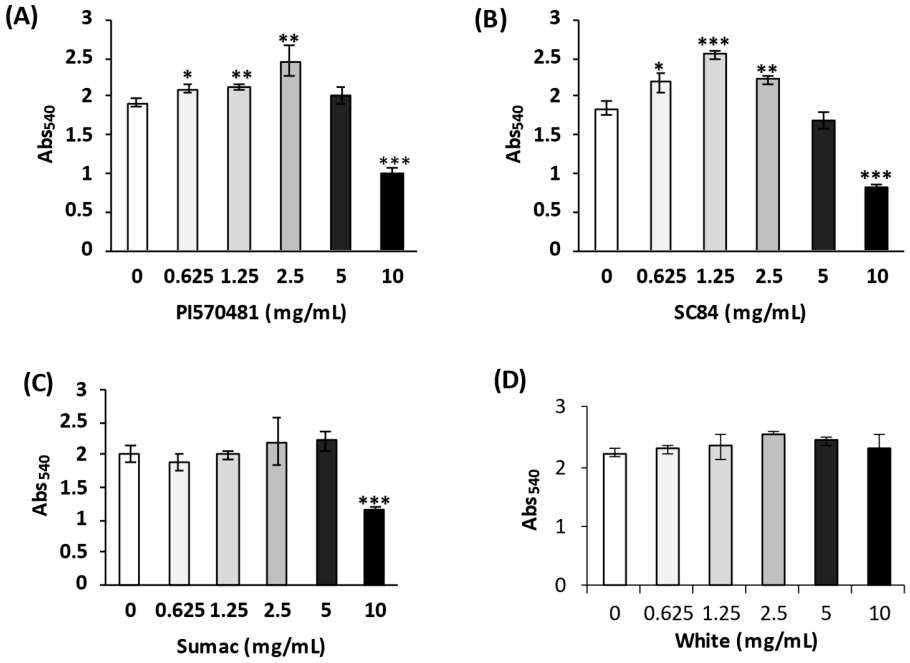


Figure S1. Long term cell Viability. 10-day cell viability assay of 3T3-L1 pre-adipocytes treated with (**A**) PI570481 ,(**B**) SC84 ,(**C**) Sumac , (**D**) White sorghum. *, $p < 0.05$; **, $p < 0.01$;***, $p < 0.001$, when compared to control .

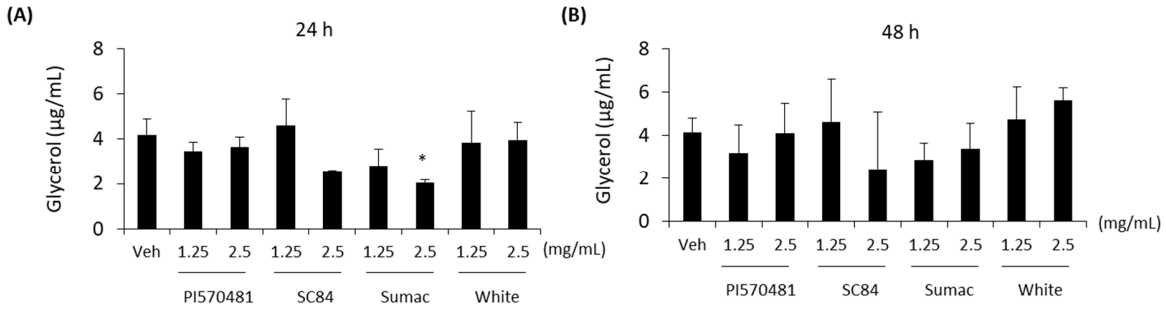


Figure S2. Glycerol Release Glycerol release after (**A**) 24 and (**B**) 48 hrs of treatment with sorghum bran extracts. *, $p < 0.05$, when compared to control.

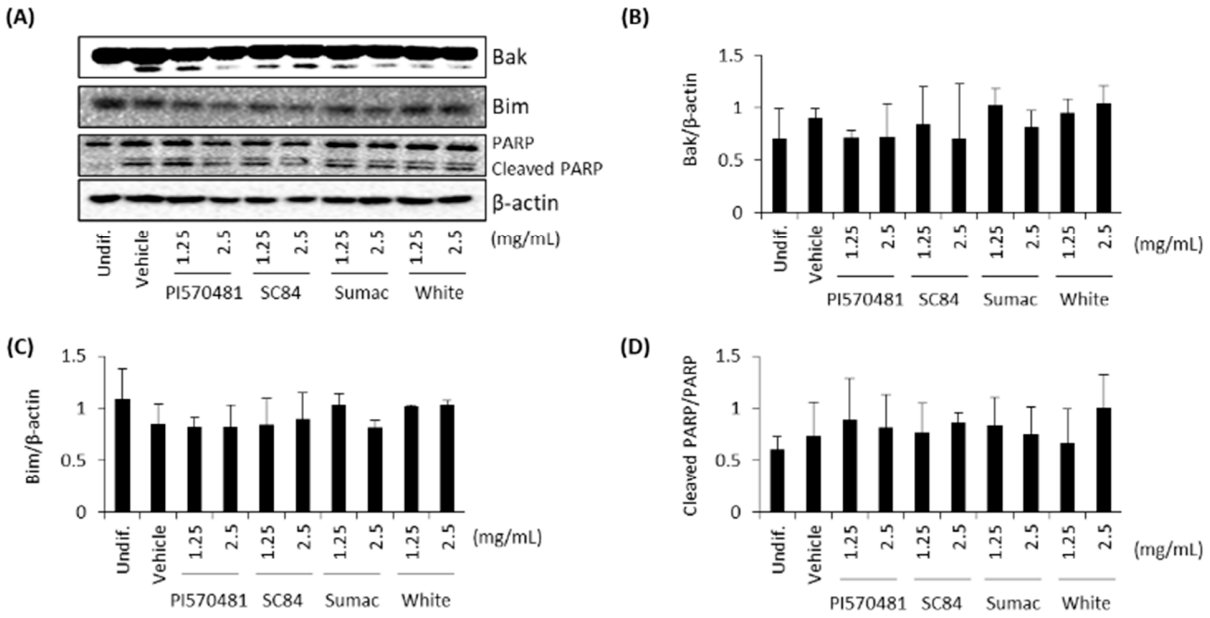


Figure S3: Western blot analysis of apoptotic proteins. (**A**) PARP, Bak, Bim with data quantified in (**B**) PARP, (**C**) Bak and (**D**) Bim (normalized to actin).

Table S1. The area under curve of prominent unidentified peaks found in sorghum varieties at 280 nm .

			Area (mAU x s)			
Peak number	**Wavelenght (nm)**	**Retention time (min)**	**SC84**	**Sumac**	PI570481	F1000
1	280	6.25	1288.56	211.36		
2	280	6.76	181.53			
3	280	7.32	24.89			
4	280	9.01	90.99		43.87	
5	280	26.34	134.22	88.38	73.71	
6	280	29.76				59.37
7	280	31.08			123.29	
8	280	34.5				16.57
9	280	39.15			135.41	