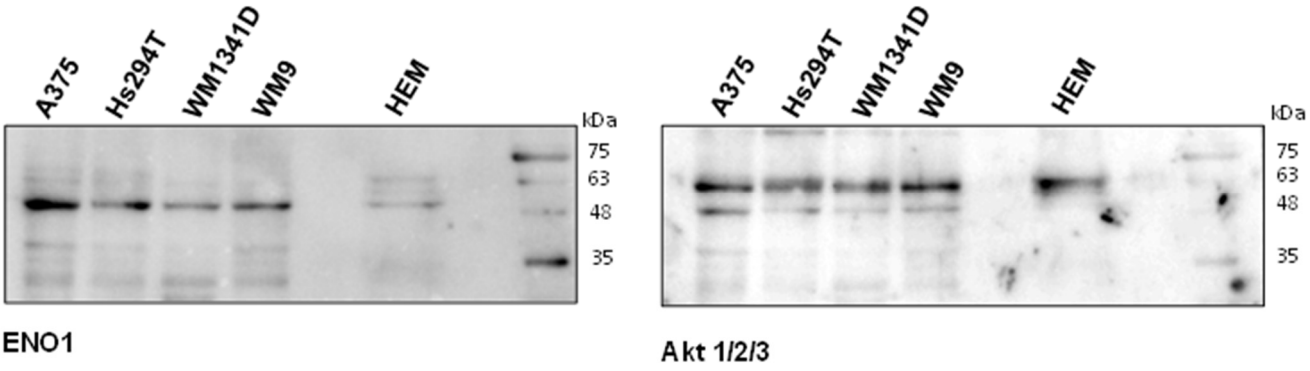


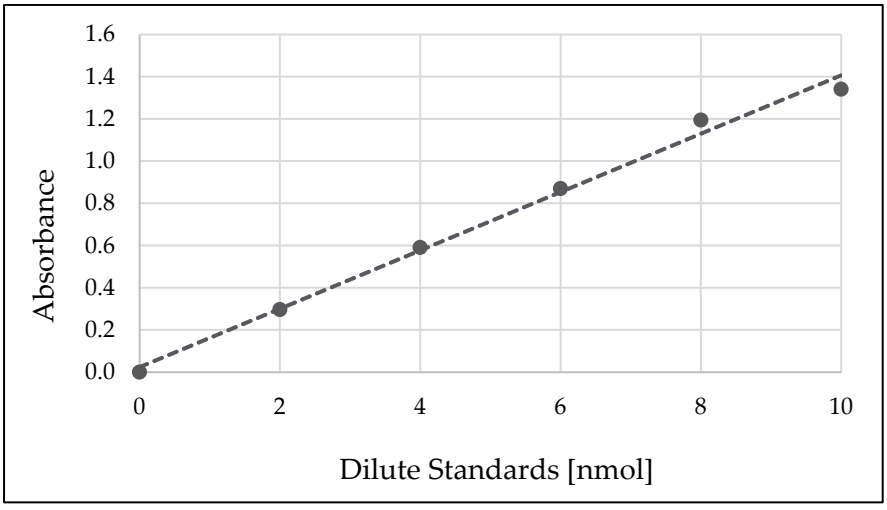
Supplementary Figure S1. The expression level of ENO1 in the cellular extracts. *Full immunoblots* show ENO1 (48 kDa) and Akt 1/2/3 in the cell lysates on the same PVDF membrane. The cell lysates were prepared from melanoma cells lines derived from the primary skin lesions (A375, WM1341D) and lymph node metastases (Hs294T, WM9), and normal melanocytes (HEM).

Supplementary Table S1. Full results of densitometric analysis of Western blotting for the ENO1 and Akt 1/2/3. The expression level was researched in four melanoma cell lines: A375, WM9, WM1341D, Hs294T, and normal melanocyte: HEM. (SEM (standard error of the mean))

Cell line	Repetitions	ENO1	Akt 1/2/3	Protein levels	Mean protein levels	SEM
A375	I	37.33	20.55	1.82	1.19	0.31
	II	5.54	6.36	0.87		
	III	5.66	6.37	0.89		
Hs294T	I	19.56	16.63	1.18	0.58	0.30
	II	2.29	7.64	0.30		
	III	2.13	7.71	0.28		
WM1341D	I	10.34	15.70	0.66	0.95	0.15
	II	7.47	6.69	1.12		
	III	7.06	6.57	1.08		
WM9	I	18.74	22.29	0.84	0.82	0.01
	II	7.12	8.83	0.81		
	III	7.23	8.92	0.81		
HEM	I	14.03	24.83	0.57	0.58	0.01
	II	4.85	8.16	0.59		

Supplementary Table S2. Full results of enolase activity measured spectrophotometrically at 570nm in the melanoma cell lines: A375, Hs294T, WM1341D, and WM9, cultured in normoxic and hypoxic conditions. (SEM (standard error of the mean))

Cell line	Repetitions	Normoxic			hypoxic			*p*-value
		Enolase activity [miliU/mg]	Mean [miliU/mg]	SEM	Enolase activity [miliU/mg]	Mean [miliU/mg]	SEM	
A375	I	525.80	595.28	26.40	472.39	583.77	39.43	ns
	II	636.36			639.68			
	III	582.58			583.33			
	IV	636.36			639.68			
WM1341D	I	426.53	492.77	25.33	401.50	500.91	35.15	ns
	II	532.40			550.63			
	III	479.76			500.87			
	IV	532.40			550.63			
WM9	I	341.14	394.38	20.34	378.97	469.51	31.96	0,047
	II	426.18			514.55			
	III	384.01			469.99			
	IV	426.18			514.55			
Hs294T	I	188.93	227.53	14.70	265.14	338.93	26.15	0,005
	II	250.45			376.09			
	III	220.27			338.41			
	IV	250.45			376.09			



Supplementary Figure S2. A standard curve of enolase activity measured spectrophotometrically at 570nm.