Clinical Variable	n	BRAF MUT, RAI-treated (*n* = 112)				n	BRAF-like, RAI-treated (*n* = 124)			
		Univariate P-value, HR (95% CI),		Multivariate P-value, HR (95% CI)			Univariate P-value, HR (95% CI)		Multivariate P-value, HR (95% CI)	
Age, years										
< 50	69	0.106	2.103 (0.854-5.181)	0.372	2.145 (0.401-11.46)	79	0.072	2.288 (0.929-5.634)	0.371	2.304 (0.370-14.347)
> 50	43					45				
Gender										
Male	40	0.741	0.849 (0.322-2.237)	0.645	0.784 (0.280-2.201)	39	0.994	0.996 (0.378-2.623)	0.807	0.878 (0.308-2.498)
Female	72					90				
Stage										
I + II	64	0.099	2.157 (0.867-5.367)	0.932	1.078 (0.191-6.095)	70	0.114	2.085 (0.838-5.185)	0.968	1.038 (0.167-6.438)
III + IV	48					54				
T stage										
T1 + T2	56	0.197	1.848 (0.727-4.694)	0.218	2.001 (0.663-6.037)	62	0.222	1.789 (0.704-4.544)	0.366	1.621 (0.569-4.622)
T3 + T4	56					62				
Node stage										
N0	37	0.228	1.97 (0.654-5.939)	0.177	2.258 (0.693-7.361)	34	0.449	1.531 (0.508-4.617)	0.371	1.730 (0.521-5.748)
N1	75					90				
AP2A1										
Low	27	0.392	1.714 (0.499-5.882)	0.863	0.884 (0.216-3.616)	41	0.110	2.733 (0.797-9.390)	0.479	1.665 (0.406-6.819)
High	85					83				
AP2A2										
Low	47	**0.022**	**4.220 (1.229-14.493)**	**0.009**	**6.310 (1.695-24.962)**	52	**0.025**	**4.097 (1.193-14.066)**	**0.018**	**4.806 (1.303-17.731)**
High	65					72				
AP2B1										
Low	57	0.230	1.771 (0.697-4.498)	0.51	0.677 (0.212-2.163)	65	0.167	1.929 (0.759-4.902)	0.834	0.889 (0.297-2.667)
High	55					59				
AP2M1										
Low	66	0.332	0.619 (0.235-1.630)	0.66	0.760 (0.224-2.578)	75	0.411	0.666 (0.253-1.753)	0.559	0.703 (0.215-2.296)
High	46					49				
AP2S1										
Low	46	0.087	0.452 (0.182-1.123)	0.051	0.295 (0.086-1.006)	51	0.082	0.445 (0.179-1.107)	**0.044**	**0.295 (0.090-0.969)**
High	66					73				

Multivariate analysis of AP2 genes in THCA. *n*, number; HR. hazard ratio; CI, confidence interval. *P*-values in bold were less than 0.05. Some patients in the BRAF MUT, RAI treated (*n* = 13) and BRAF-like, RAI-treated (*n* = 13) cohorts were not included in univariate and multivariate analysis due to missing clinical variables.