

Supplementary Material: Loss of BAP1 is associated with Upregulation of the NFkB Pathway and increased HLA Class I Expression in Uveal Melanoma

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Table S1. Correlation between different probes obtained with an Illumina gene expression array with immunohistochemical data in the Leiden cohort ($n = 28$) [35].

Gene-expression (Illumina)	mAb HCA2 (HLA-A)		mAb HC10 (HLA-B)	
	r	p	r	p
HLA-A probe 1 $\diamond$	0.619	<0.001		
HLA-A probe 2 $\diamond$	0.459	0.014		
HLA-A probe 3	0.055	0.781		
HLA-A probe 4 $\diamond$	0.327	0.089		
HLA-B probe $\diamond$			0.601	0.001

r = two- tailed Spearman correlation coefficient. $p \leq 0.05$ considered significant. $\diamond$ selected.

Table S2. Correlation between NFkB signalling and HLA mRNA expression, after exclusion of the one-third tumors with the highest macrophage infiltrate, as indicated by CD68 mRNA levels ($n = 43$).

Markers	HLA-A Probe 1		HLA-A Probe 2		HLA-A Probe 3		HLA-B	
	r	p	r	p	r	p	r	p
NFkB1	0.477	0.001	0.372	0.014	0.345	0.024	0.446	0.003
NFkB2, pr1	0.466	0.002	0.393	0.009	0.297	0.053	0.426	0.004
NFkB2, pr2	0.159	0.309	0.140	0.371	0.072	0.648	0.178	0.253
RELA	-0.014	0.931	-0.150	0.339	-0.245	0.113	-0.133	0.397
RELB	0.112	0.473	0.182	0.242	0.259	0.093	0.207	0.182
SPP1, pr1	-0.393	0.009	-0.472	0.001	-0.366	0.016	-0.419	0.005
SPP1, pr2	-0.415	0.006	-0.483	0.001	-0.381	0.012	-0.429	0.004
PPAR γ , pr1	-0.305	0.046	-0.398	0.008	-0.344	0.024	-0.268	0.082
PPAR γ , pr2	-0.311	0.042	-0.386	0.011	-0.324	0.034	-0.211	0.174
IkBkG	0.091	0.563	0.056	0.720	0.182	0.242	0.159	0.307

r = two-tailed Spearman correlation coefficient. $p \leq 0.05$ is considered significant.

Table S3. Illumina probe number of factors which have been used in this study.

Gene-Expression (Illumina)	Probe Number
HLA-A probe 1	ILMN_1671054
HLA-A probe 2	ILMN_2203950
HLA-A probe 3	ILMN_2186806
HLAB	ILMN_1778401
CD3E	ILMN_1739794
CD3D	ILMN_2261416
CD4	ILMN_1727284
CD8-A	ILMN_1768482
CD163	ILMN_1733270
NFkB1	ILMN_1714965
NFkB2 probe 1	ILMN_1799062

NFkB2	probe 2	ILMN_2390859
RELA		ILMN_1705266
RELB		ILMN_1811258
SPP1	probe 1	ILMN_1651354
SPP1	probe 2	ILMN_2374449
PPARγ	probe 1	ILMN_1800225
PPARγ	probe 2	ILMN_2364384
IkBkG		ILMN_1707308



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