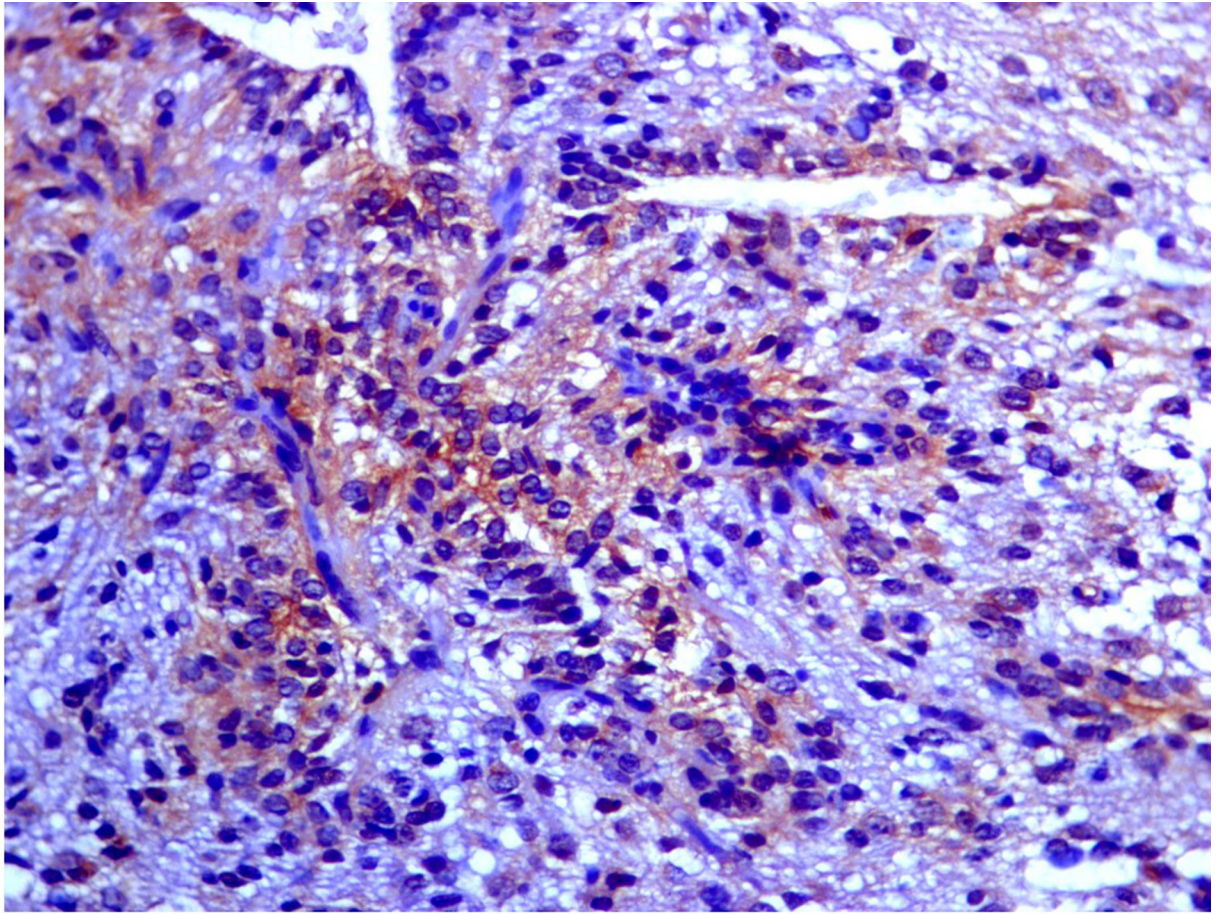


**SUPPLEMENTARY FIGURE AND TABLES**



**Supplementary Figure S1: BIRC3 staining in a HGG induced by PDGFB+BIRC3. 400X magnification.**

**Supplementary Table S1: Differential RNA expression levels of IAPs in LGG and GBM**

<b>Gene</b>	<b>LGG Expression (Mean)</b>	<b>GBM Expression (Mean)</b>	<b>Fold Change</b>
BIRC1	0.000693555	0.001361643	-0.000668088
BIRC2	1.926767542	2.208344969	-0.281577427
BIRC3	1.000403772	1.548315026	-0.547911254
BIRC4	0.743276347	1.542989543	-0.799713197
BIRC5	0.124728973	0.002655731	0.122073242
BIRC6	0.009806117	0.010080691	-0.000274574
BIRC7	3.942221594	3.515346676	0.426874917
BIRC8	0.00452855	0.003870621	0.000657928

**Supplementary Table S2: Comparison of median survival between expressors and non expressors of IAPs (excluding BIRC5) in TCGA Low-grade glioma patients**

IAP	Median Survival Expressor (months)	Median Survival Non-expressor (months)	Log rank test p value
BIRC1	75.1	87.4	0.85
BIRC2	41.1	105.1	0.0000025
BIRC3	26.7	94.5	0.00018
BIRC4	105.12	78.2	0.33
BIRC6	N/A	87.4	0.35
BIRC7	26.74	87.4	0.71
BIRC8	133.6	94.5	0.71

**Supplementary Table S3: Comparison of median survival between expressors and non expressors of IAPs (excluding BIRC5) in TCGA High-grade glioma patients**

IAP	Median Survival Expressor (months)	Median Survival Non-expressor (months)	Log rank test p value
BIRC1	14.3	13	0.37
BIRC2	12.2	14.2	0.07
BIRC3	11.7	14.3	0.01
BIRC4	14.3	12.9	0.37
BIRC6	12.6	14	0.38
BIRC7	12.6	14.5	0.27
BIRC8	14.1	11.7	0.42

**Supplementary Table S4: Difference in BIRC3 expression between matched LGG and HGG samples based on the number of positive tumor cells in 5 non-overlapping fields from each tumor**

Paired Sample	LGG	HGG	T Test P value
1	0.04481 ± 0.006423	0.1842 ± 0.03067	0.0021
2	0.007794 ± 0.001970	0.6065 ± 0.1010	0.0004
3	0.001950 ± 0.001950	0.3090 ± 0.06580	0.0011
4	0.0 ± 0.0	0.06264 ± 0.02174	0.0205
5	0.04546 ± 0.01251	0.1910 ± 0.08549	0.1305
6	0.0 ± 0.0	0.1756 ± 0.04122	0.0028
7	0.0 ± 0.0	0.1508 ± 0.02978	0.0010
8	0.01164 ± 0.01164	0.08244 ± 0.01392	0.0056