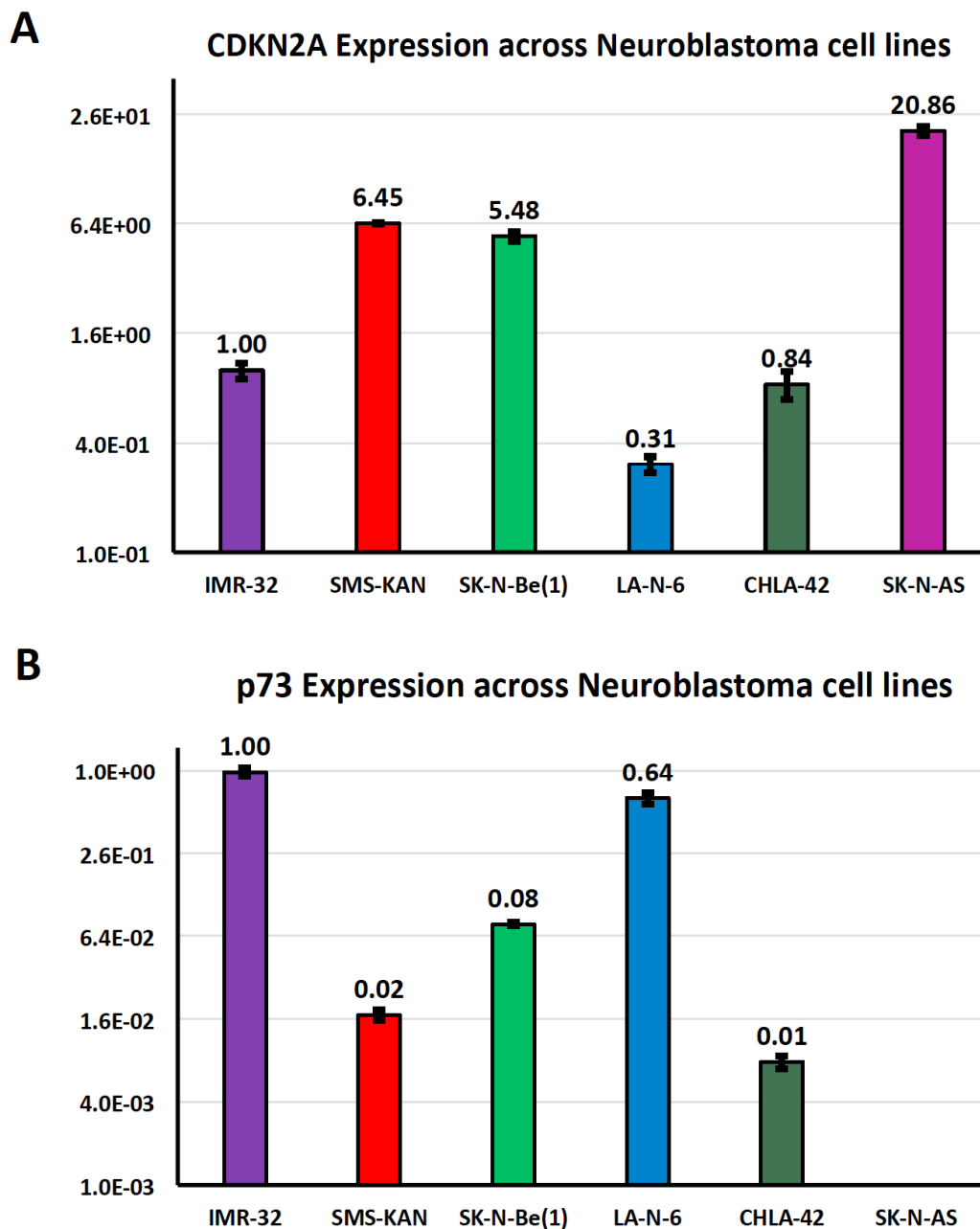


SUPPLEMENTARY MATERIAL

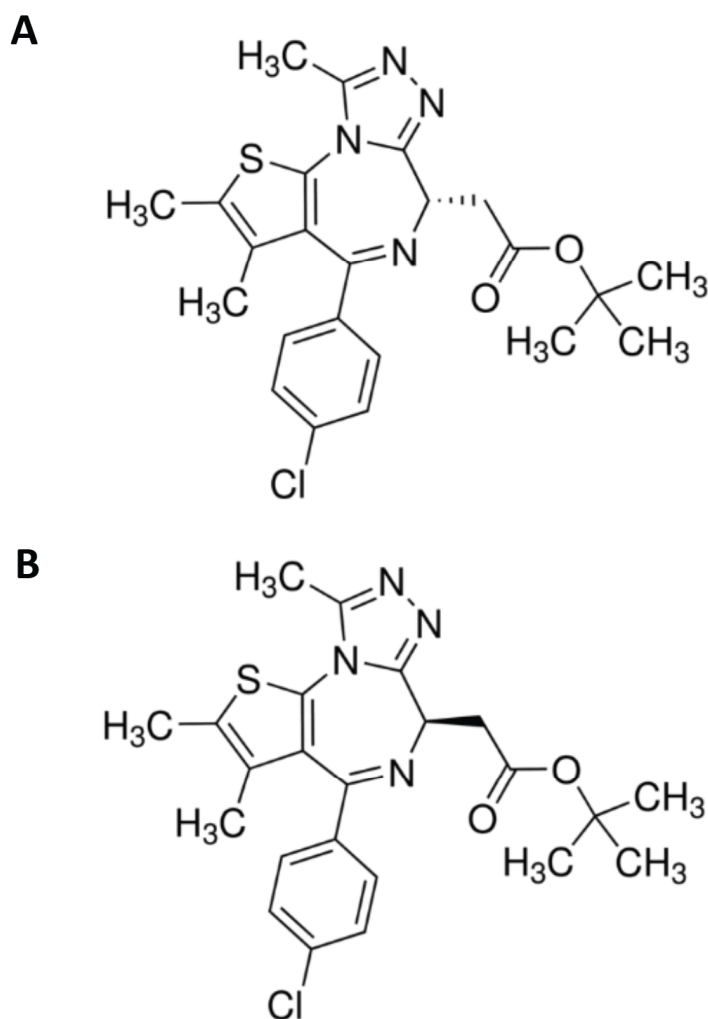
The Killing of Human Neuroblastoma Cells by the Small Molecule JQ1 Occurs in a p53-Dependent Manner

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Supplemental Fig. (1). Confirmation of neuroblastoma cell line identity. The entire panel of neuroblastoma cell lines was screened for biological markers used in their original identification. This was performed by examination of the mRNA gene expression profiles of (A) CDKN2A and (B) p73 measured by qRT-PCR. Gene expression was normalized to GAPDH. Data shown are the composite of triplicate wells from three independent measurements. (A higher resolution / colour version of this figure is available in the electronic copy of the article).



Supplemental Fig. (2). Molecular Structure of the Bromodomain Inhibitor JQ1. (A) (+)-JQ1 and (B) (-)-JQ1 enantiomers. (+)-JQ1, but not the (-)-JQ1 enantiomer, is a potent and highly specific inhibitor of the BET (bromodomain and extra-terminal) family of bromodomains. The (+)-JQ1 enantiomer has been shown to be a useful chemical probe for the investigation of the role of BET bromodomains in the transcriptional regulation of oncogenesis. (A higher resolution / colour version of this figure is available in the electronic copy of the article).

Supplemental Table 1. Background Characterization of Neuroblastoma cell lines.

Cell Line	Source	Accession	Patient Gender/Age	Phase of Therapy	Tissue Derivation	Morphology	Culture Properties	MYCN Status	Initial Citation
IMR-32	ATCC	CVCL_0346	Male/13 months	Diagnosis	Brain Metastasis/Abdominal mass	Fibroblast/neuroblast	Adherent	Amplified	Tumilp-wicz JJ, <i>et al.</i>
SK-N-AS	ATCC	CVCL_1700	Female/6 years	Post-Chemo	Brain Metastasis/Bone Marrow	Neuroblast	Adherent	Non-amplified	El-Badr OM, <i>et al.</i>
LA-N-6	COG	CVCL_1363	Male/6 years	Post-Chemo	Bone Marrow Metastasis	Neuroblast	Adherent	Non-amplified	Wada RK, <i>et al.</i>
CHLA-42	COG	CVCL_6603	Unknown/13 months	Diagnosis	Bone Marrow Metastasis	Neuroblast	Adherent	Non-amplified	Keshelava N, <i>et al.</i>
SMS-KAN	COG	CVCL_7131	Female/3 years	Diagnosis	Pelvis	Neuroblast	Adherent/suspension	Amplified	Reynolds CP, <i>et al.</i>
SK-N-Be(1)	COG	CVCL_9898	Male/22 months	Diagnosis	Bone Marrow Metastasis	Neuroblast	Adherent/suspension	Amplified	Biedler JL, <i>et al.</i>

Sources of the cell lines utilized within this article include ATCC (American Type Culture Collection) and COG (Children's Oncology Group).

Supplemental Table 1.

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