

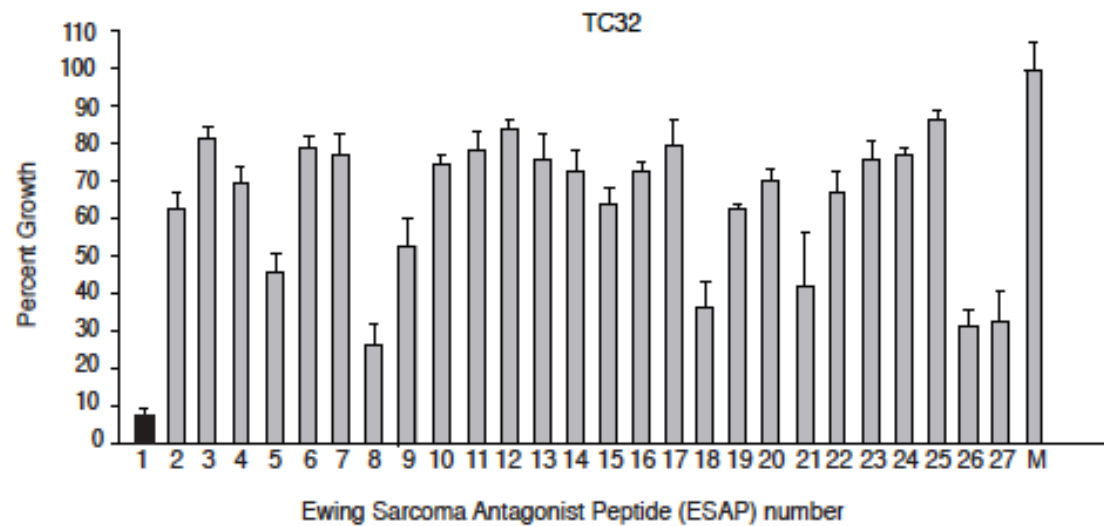
Supplemental Figures

Erkizan et al.

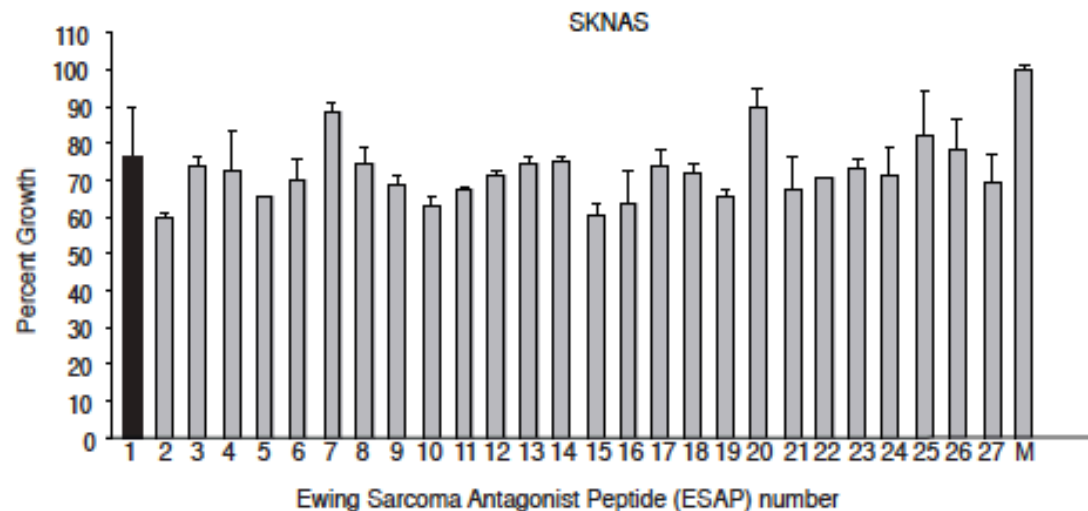
Cell Cycle

SUPPLEMENTAL FIGURE 1

A



B



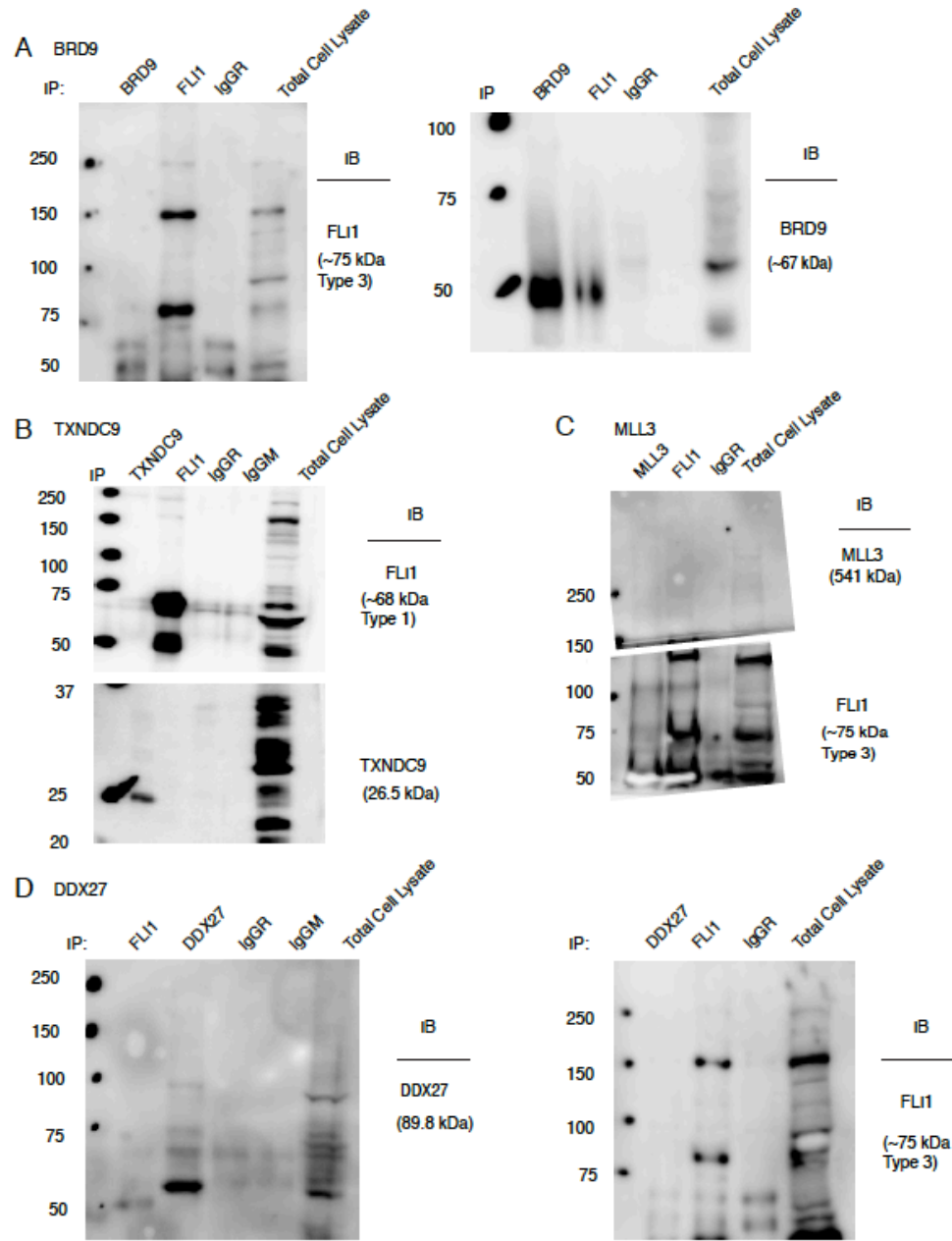
Legend: Cytotoxic evaluation of Ewing Sarcoma Antagonist Peptides. Ewing Tumor cell line TC32 and neuroblastoma cell line SKNAS were treated with 30 micromolar of Antennapedia fused ESAP peptides for 4 days. Black bar represents ESAP1, grey bars represent other peptides revealed from phage display. M is media only control.

SUPPLEMENTAL FIGURE 2

BRD9	NP_076413.3 ESAP1	161 EVVPVQVE T A K K S K K P S R E V I S C M F E P E G N A 191 1 ----- T M R G K K K R T R A N ----- 12
TXNDC9	NP_005774 ESAP1	201 K F G T N F T K L E K K T I R G K K Y D S D S D D D 226 1 ----- T M R G K K K R T R A N ----- 12
MLL3	NP_733751.2 ESAP1	1281 G I G G F M V R Q R S R T G Q G K T K R S V I R K 1305 1 ----- T M R G K K K R T R A N ----- 12
MLL3	NP_733751.2 ESAP1	3591 Q L Y S D I I P E E K G K K K R T R K K K R D D D A E S T K 3620 1 ----- T M R G K K K R T R A N ----- 12
DDX27	NP_060365.7 ESAP1	1 M V L A Q R R R G G C E K L R A G P Q A V L A S G S G F C D 30 1 ----- T M R G K K K R T R A N ----- 12
DDX27	NP_060365.7 ESAP1	661 K E K I A K A L Q E F D L A L R G K K K R K K F M K D A K K 690 1 ----- T M R G K K K R T R A N ----- 12
DDX27	NP_060365.7 ESAP1	711 A E R L A K R N R R A K R A R A M P E E E P V R G P A K K Q 740 1 ----- T M R G K K K R T R A N ----- 12

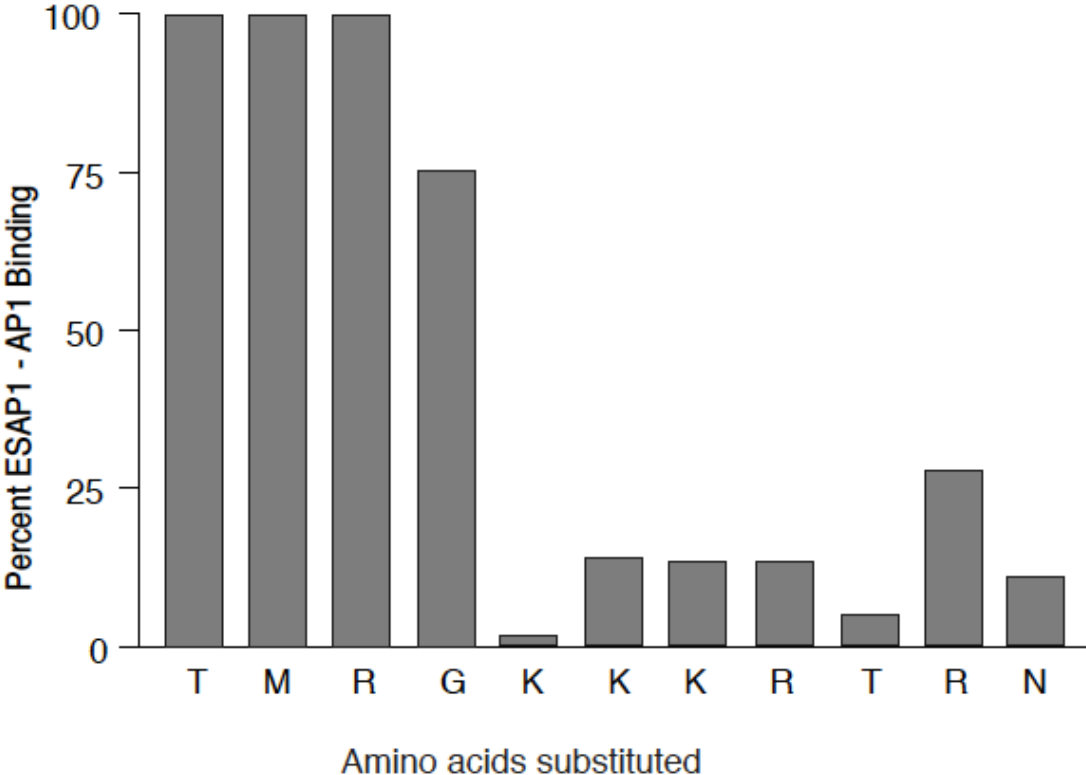
Legend: Blast results of ESAP1. Identity of amino acids was shown with vertical lines.

SUPPLEMENTAL FIGURE 3



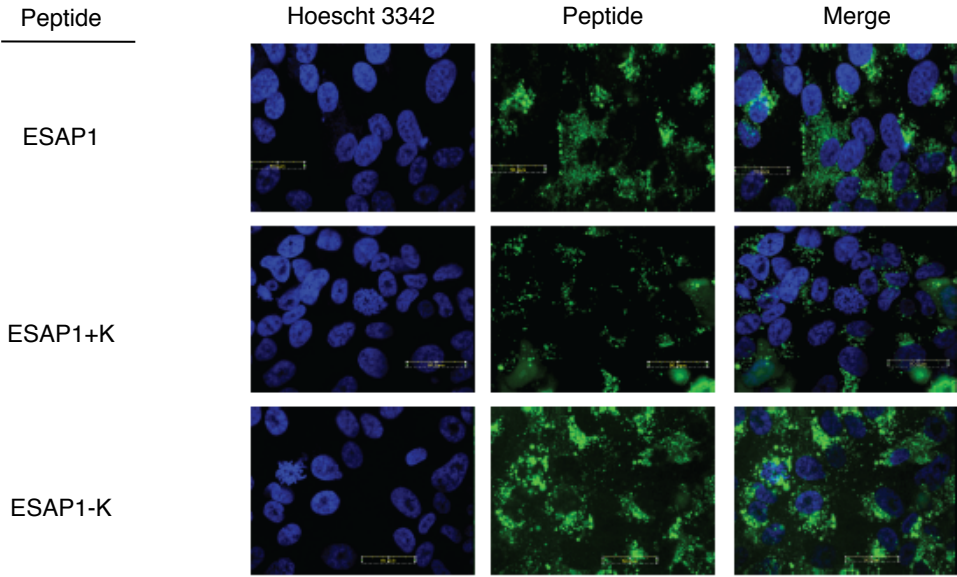
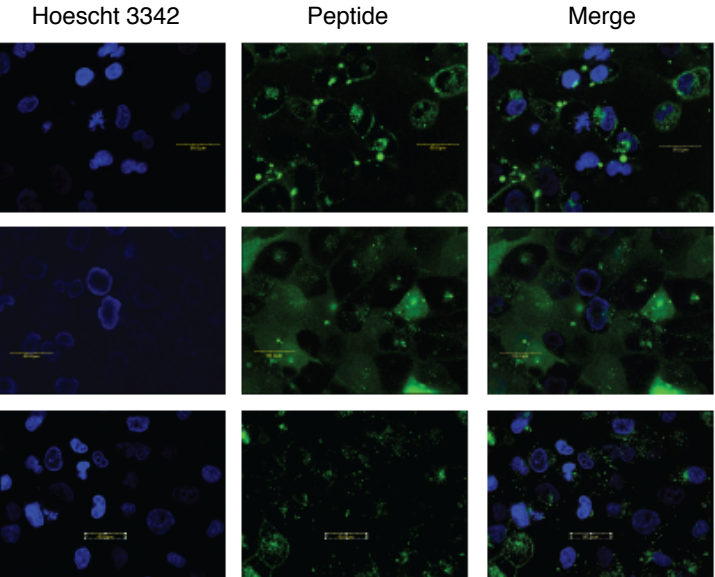
Legend: Coimmunoprecipitations with potential cognate protein and FLI1 antibodies

SUPPLEMENTAL FIGURE 4

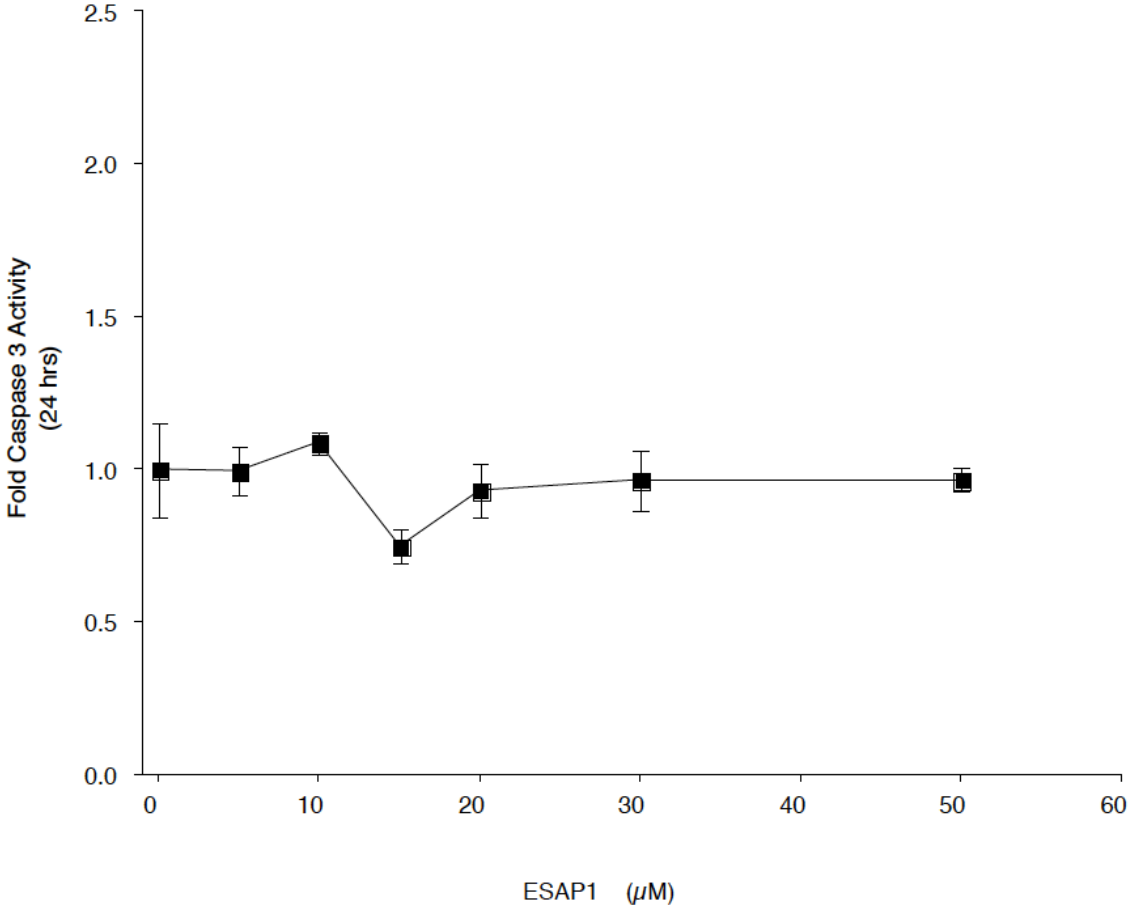


Legend: Binding of alanine substituted ESAP1 to EWS-FLI1

SUPPLEMENTAL FIGURE 5

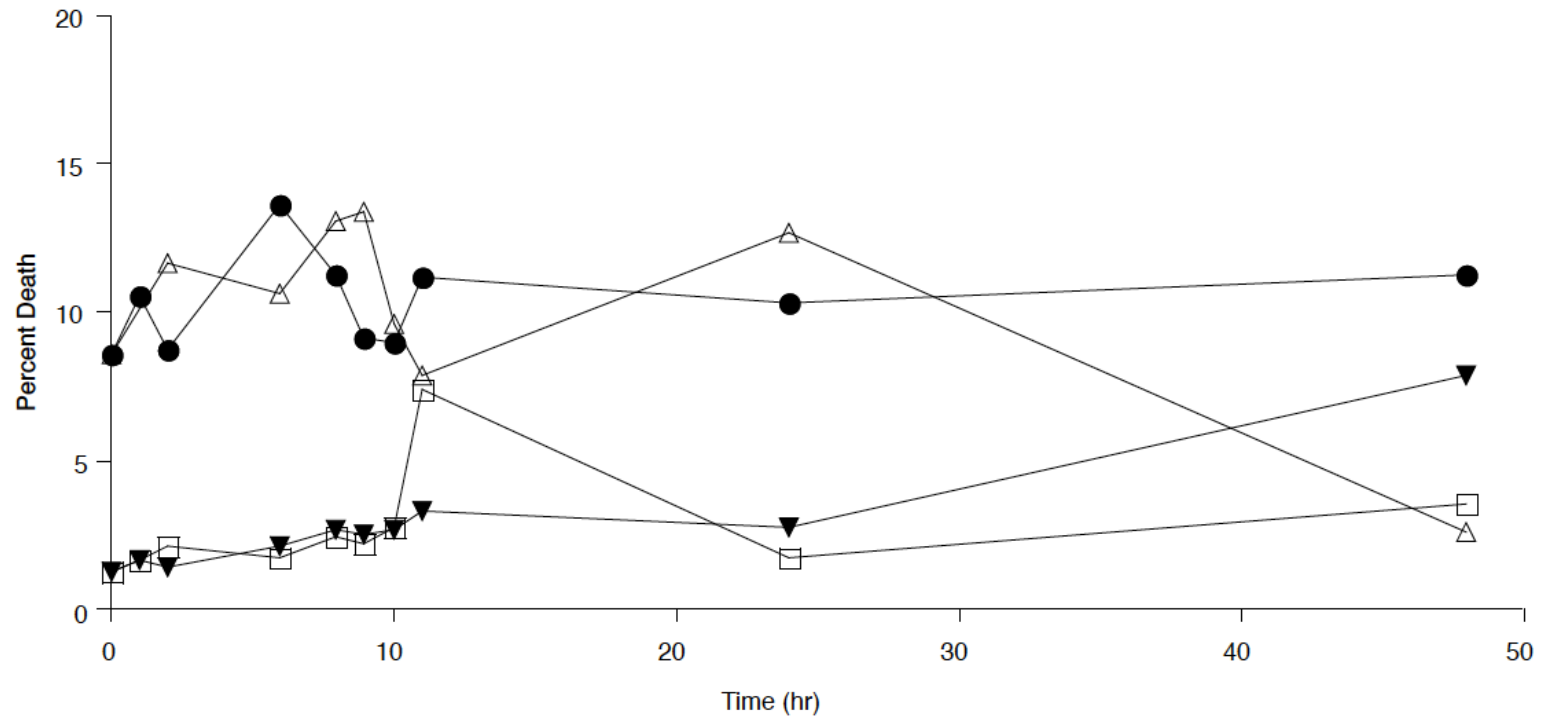


SUPPLEMENTAL FIGURE 6



Legend: Caspase-3 activity assay. TC71 cells were treated with ESAP1 peptide for 24 hours. Caspase-3 activity was measured and normalized to non-treated TC71 caspase-3 basal activity.

SUPPLEMENTAL FIGURE 7



Legend: Percent death caused by ESAP1 treatment. Death cell fractions were obtained from DNA histogram of either synchronized or non synchronized cells that were treated with ESAP1. □ represent cells without any treatment. △ represent cells blocked with Nocadazole and released without any further treatment. ▼ ESAP1 treated cells without Nocadazole block. ● represent cells blocked with Nocadazole then treated with ESAP1.