

Table S1 Information on antibodies used in western blot experiments

Antibodies	Name	Company	Catalog number	Dilution
Primary antibody	ITGAM	Origene Wuxi Biotechnology	TA377608	1:1,000
	Cyclin E1	Cell Signaling Technology	#208085	1:1,000
	Cyclin D1	Cell Signaling Technology	#29225	1:1,000
	CDK2	Cell Signaling Technology	#2546S	1:1,000
	CDK4	Cell Signaling Technology	#12790S	1:1,000
	p-JNK	Cell Signaling Technology	#4668S	1:1,000
	JNK	Cell Signaling Technology	#9252S	1:1,000
	p-ERK	Cell Signaling Technology	#9101S	1:1,000
	ERK	Cell Signaling Technology	#9102S	1:1,000
	p-P38	Cell Signaling Technology	#4511S	1:1,000
	P38	Cell Signaling Technology	#54470SF	1:1,000
	GAPDH	Cell Signaling Technology	#3683S	1:1,000
	Secondary antibody	Anti-rabbit IgG	Cell Signaling Technology	#7074S

ITGAM, integrin subunit alpha M; CDK2, cyclin-dependent kinase 2; CDK4, cyclin-dependent kinase 4; JNK, c-Jun N-terminal kinase; ERK, extracellular signal-regulated kinase; P38, p38 MAPK; MAPK, mitogen-activated protein kinase; GAPDH, glyceraldehyde-3-phosphate dehydrogenase; IgG, immunoglobulin G.

Table S2 The patient information table from the TCGA database in this study

Sample ID	Age at initial pathologic diagnosis (years)	Gender	Leukemia French American British morphology code	Tumor tissue site
TCGA-AB-2803-03	61	Female	M3	Bone marrow
TCGA-AB-2805-03	77	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2806-03	46	Male	M1	Bone marrow
TCGA-AB-2807-03	68	Female	M1	Bone marrow
TCGA-AB-2808-03	23	Male	M2	Bone marrow
TCGA-AB-2810-03	76	Female	M2	Bone marrow
TCGA-AB-2811-03	81	Male	M4	Bone marrow
TCGA-AB-2812-03	25	Female	M2	Bone marrow
TCGA-AB-2813-03	78	Male	M4	Bone marrow
TCGA-AB-2814-03	39	Female	M0 undifferentiated	Bone marrow
TCGA-AB-2815-03	49	Male	M4	Bone marrow
TCGA-AB-2816-03	57	Female	M4	Bone marrow
TCGA-AB-2817-03	64	Male	M2	Bone marrow
TCGA-AB-2818-03	62	Female	M2	Bone marrow
TCGA-AB-2819-03	52	Female	M2	Bone marrow
TCGA-AB-2820-03	76	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2821-03	64	Male	M1	Bone marrow
TCGA-AB-2822-03	65	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2823-03	61	Female	M3	Bone marrow
TCGA-AB-2824-03	45	Male	M5	Bone marrow
TCGA-AB-2825-03	31	Female	M5	Bone marrow
TCGA-AB-2826-03	64	Female	M4	Bone marrow
TCGA-AB-2828-03	55	Male	M4	Bone marrow
TCGA-AB-2830-03	64	Female	M4	Bone marrow
TCGA-AB-2832-03	60	Female	M5	Bone marrow
TCGA-AB-2833-03	77	Male	M4	Bone marrow
TCGA-AB-2834-03	33	Male	M4	Bone marrow
TCGA-AB-2835-03	48	Male	M5	Bone marrow
TCGA-AB-2836-03	35	Male	M4	Bone marrow
TCGA-AB-2837-03	66	Female	M5	Bone marrow
TCGA-AB-2838-03	67	Male	M2	Bone marrow
TCGA-AB-2839-03	51	Female	M2	Bone marrow
TCGA-AB-2840-03	74	Male	M3	Bone marrow
TCGA-AB-2841-03	51	Female	M3	Bone marrow
TCGA-AB-2842-03	65	Male	M4	Bone marrow
TCGA-AB-2843-03	77	Male	M6	Bone marrow
TCGA-AB-2844-03	63	Male	M2	Bone marrow
TCGA-AB-2845-03	37	Female	M2	Bone marrow
TCGA-AB-2846-03	57	Female	M4	Bone marrow
TCGA-AB-2847-03	53	Male	M1	Bone marrow
TCGA-AB-2848-03	62	Male	M4	Bone marrow
TCGA-AB-2849-03	39	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2851-03	66	Female	M5	Bone marrow
TCGA-AB-2853-03	51	Male	M1	Bone marrow
TCGA-AB-2854-03	51	Female	M4	Bone marrow
TCGA-AB-2855-03	18	Male	M1	Bone marrow
TCGA-AB-2856-03	63	Male	M4	Bone marrow
TCGA-AB-2857-03	54	Male	M6	Bone marrow
TCGA-AB-2858-03	75	Female	M2	Bone marrow
TCGA-AB-2859-03	40	Male	M2	Bone marrow
TCGA-AB-2860-03	60	Female	M7	Bone marrow
TCGA-AB-2861-03	76	Male	M5	Bone marrow
TCGA-AB-2862-03	33	Female	M3	Bone marrow
TCGA-AB-2863-03	63	Male	M1	Bone marrow
TCGA-AB-2865-03	75	Male	M1	Bone marrow
TCGA-AB-2866-03	67	Male	M1	Bone marrow
TCGA-AB-2867-03	66	Female	M2	Bone marrow
TCGA-AB-2868-03	77	Male	M7	Bone marrow
TCGA-AB-2869-03	64	Female	M2	Bone marrow
TCGA-AB-2870-03	76	Male	M1	Bone marrow
TCGA-AB-2871-03	51	Male	M1	Bone marrow
TCGA-AB-2872-03	42	Male	M3	Bone marrow
TCGA-AB-2873-03	51	Female	M5	Bone marrow
TCGA-AB-2874-03	59	Male	M2	Bone marrow
TCGA-AB-2875-03	43	Male	M2	Bone marrow
TCGA-AB-2877-03	60	Female	M1	Bone marrow
TCGA-AB-2879-03	68	Female	M1	Bone marrow
TCGA-AB-2880-03	24	Male	M1	Bone marrow
TCGA-AB-2881-03	48	Female	M1	Bone marrow
TCGA-AB-2882-03	73	Female	M2	Bone marrow
TCGA-AB-2884-03	44	Female	M1	Bone marrow
TCGA-AB-2885-03	71	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2886-03	26	Male	M2	Bone marrow
TCGA-AB-2887-03	60	Female	M1	Bone marrow
TCGA-AB-2888-03	57	Male	M4	Bone marrow
TCGA-AB-2889-03	55	Male	M4	Bone marrow
TCGA-AB-2890-03	69	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2891-03	42	Male	M1	Bone marrow
TCGA-AB-2895-03	41	Female	M1	Bone marrow
TCGA-AB-2896-03	21	Female	M5	Bone marrow
TCGA-AB-2897-03	50	Female	M3	Bone marrow
TCGA-AB-2898-03	69	Female	M1	Bone marrow
TCGA-AB-2899-03	76	Female	M4	Bone marrow
TCGA-AB-2900-03	70	Male	M1	Bone marrow
TCGA-AB-2901-03	27	Male	M2	Bone marrow
TCGA-AB-2903-03	76	Female	M1	Bone marrow
TCGA-AB-2904-03	65	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2908-03	81	Male	M2	Bone marrow
TCGA-AB-2909-03	22	Male	Not classified	Bone marrow
TCGA-AB-2910-03	61	Female	M5	Bone marrow
TCGA-AB-2911-03	51	Female	M4	Bone marrow
TCGA-AB-2912-03	63	Male	M4	Bone marrow
TCGA-AB-2913-03	61	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2914-03	22	Female	M2	Bone marrow
TCGA-AB-2915-03	73	Female	M2	Bone marrow
TCGA-AB-2916-03	48	Female	M4	Bone marrow
TCGA-AB-2917-03	41	Female	M0 undifferentiated	Bone marrow
TCGA-AB-2918-03	47	Female	M1	Bone marrow
TCGA-AB-2919-03	54	Female	M1	Bone marrow
TCGA-AB-2920-03	44	Male	M2	Bone marrow
TCGA-AB-2921-03	56	Female	M4	Bone marrow
TCGA-AB-2924-03	59	Male	M4	Bone marrow
TCGA-AB-2925-03	57	Male	M5	Bone marrow
TCGA-AB-2927-03	88	Female	M1	Bone marrow
TCGA-AB-2928-03	43	Female	M1	Bone marrow
TCGA-AB-2929-03	71	Female	M0 undifferentiated	Bone marrow
TCGA-AB-2930-03	63	Female	M2	Bone marrow
TCGA-AB-2931-03	75	Male	M2	Bone marrow
TCGA-AB-2932-03	62	Male	M5	Bone marrow
TCGA-AB-2933-03	58	Male	M4	Bone marrow
TCGA-AB-2934-03	65	Male	M1	Bone marrow
TCGA-AB-2935-03	66	Male	M4	Bone marrow
TCGA-AB-2936-03	61	Female	M0 undifferentiated	Bone marrow
TCGA-AB-2937-03	36	Female	M1	Bone marrow
TCGA-AB-2938-03	76	Male	M7	Bone marrow
TCGA-AB-2939-03	72	Male	M1	Bone marrow
TCGA-AB-2940-03	35	Male	M2	Bone marrow
TCGA-AB-2941-03	73	Male	Not classified	Bone marrow
TCGA-AB-2942-03	67	Female	M4	Bone marrow
TCGA-AB-2943-03	70	Female	M1	Bone marrow
TCGA-AB-2944-03	48	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2946-03	41	Male	M2	Bone marrow
TCGA-AB-2948-03	67	Male	M4	Bone marrow
TCGA-AB-2949-03	58	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2950-03	34	Female	M2	Bone marrow
TCGA-AB-2952-03	60	Female	M1	Bone marrow
TCGA-AB-2954-03	55	Female	M4	Bone marrow
TCGA-AB-2955-03	56	Female	M2	Bone marrow
TCGA-AB-2956-03	61	Male	M5	Bone marrow
TCGA-AB-2959-03	71	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2963-03	56	Male	M1	Bone marrow
TCGA-AB-2964-03	58	Female	M1	Bone marrow
TCGA-AB-2965-03	60	Male	M4	Bone marrow
TCGA-AB-2966-03	57	Female	M2	Bone marrow
TCGA-AB-2967-03	58	Male	M4	Bone marrow
TCGA-AB-2969-03	55	Male	M5	Bone marrow
TCGA-AB-2970-03	34	Female	M4	Bone marrow
TCGA-AB-2971-03	76	Female	M4	Bone marrow
TCGA-AB-2972-03	82	Female	M2	Bone marrow
TCGA-AB-2973-03	68	Female	M4	Bone marrow
TCGA-AB-2975-03	54	Male	M2	Bone marrow
TCGA-AB-2976-03	53	Male	M1	Bone marrow
TCGA-AB-2977-03	71	Female	M2	Bone marrow
TCGA-AB-2978-03	61	Female	M2	Bone marrow
TCGA-AB-2979-03	30	Female	M1	Bone marrow
TCGA-AB-2980-03	50	Male	M3	Bone marrow
TCGA-AB-2981-03	35	Female	M5	Bone marrow
TCGA-AB-2982-03	29	Female	M3	Bone marrow
TCGA-AB-2983-03	45	Male	M0 undifferentiated	Bone marrow
TCGA-AB-2984-03	38	Male	M1	Bone marrow
TCGA-AB-2985-03	81	Female	M5	Bone marrow
TCGA-AB-2986-03	31	Female	M2	Bone marrow
TCGA-AB-2987-03	75	Female	M5	Bone marrow
TCGA-AB-2988-03	67	Female	M1	Bone marrow
TCGA-AB-2990-03	51	Male	M1	Bone marrow
TCGA-AB-2991-03	40	Female	M3	Bone marrow
TCGA-AB-2992-03	32	Female	M1	Bone marrow
TCGA-AB-2993-03	57	Female	M4	Bone marrow
TCGA-AB-2994-03	25	Male	M3	Bone marrow
TCGA-AB-2995-03	63	Male	M2	Bone marrow
TCGA-AB-2996-03	74	Male	M2	Bone marrow
TCGA-AB-2998-03	68	Female	M3	Bone marrow
TCGA-AB-2999-03	62	Male	M3	Bone marrow
TCGA-AB-3000-03	25	Male	M2	Bone marrow
TCGA-AB-3001-03	31	Female	M3	Bone marrow
TCGA-AB-3002-03	68	Male	M2	Bone marrow
TCGA-AB-3005-03	45	Male	M5	Bone marrow
TCGA-AB-3006-03	61	Male	M1	Bone marrow
TCGA-AB-3007-03	35	Male	M3	Bone marrow
TCGA-AB-3008-03	22	Male	M1	Bone marrow
TCGA-AB-3009-03	23	Male	M4	Bone marrow
TCGA-AB-3011-03	21	Female	M1	Bone marrow
TCGA-AB-3012-03	53	Male	M3	Bone marrow

TCGA, The Cancer Genome Atlas.