Supplemental Material

Supplemental Table SI. Patients' characteristics

Characteristic (unit)	Measure *or* category	Overall
Age (years)	Median [range]	59 [44 – 68]
WBC ($\times 10^9$/l)	Median [range]	27 [12 – 79]
ALC ($\times 10^9$/l)	Median [range]	23 [4 – 65]
Rai stage (%)	0-2 / 3-4	95 / 5
CD38 (%)	≤30 / >30	81 / 19
Zap-70 (%)	Negative / Positive	66 / 34
β2M (%)	<4 mg/l / ≥4 mg/l	95 / 5
IGHV mutation (%)	M / UM	80 / 20
FISH result, n	del17p / 11q / T12 / 13q / Negative	1 / 2 / 2 / 16 / 4
Survival status, n	Alive / Dead	27 / 0

Abbreviations: WBC, white blood cell count; ALC, absolute lymphocyte count; β2M, beta-2 microglobulin; M, mutated; UM, unmutated; FISH, fluorescence *in situ* hybridization.

Supplemental Table SII. Antibodies, PCR primers/probes, and small interfering RNAs (siRNAs) used in the PTX3 activity experiments

Target [fluorescent label]	Clone *or* assay ID	Manufacturer	Catalog no.
Western immunoblotting antibodies			
PTX3	MNB1	Hycult Biotech	HM2241
pSTAT3 (Ser727)	*Polyclonal*	Cell Signaling Technology	9134
STAT3	84/Stat3	BD Biosciences	610190
β-actin	AC-15	Sigma-Aldrich	A5441
Flow cytometry antibodies			
PTX3 [Alexa Fluor 488]	MM0512-6B7	Novus Biologicals	NBP2-11849AF488
CD5 [PE]	UCHT2	BD Biosciences	555353
CD19 [PerCP]	4G7	BD Biosciences	340865
pSTAT3 (Ser727) [Alexa Fluor 647]	49/p-Stat3	BD Biosciences	558099
Confocal microscopy antibodies			
PTX3	*Polyclonal*	Lifespan Biosciences	LS-C330046
STAT3	84/Stat3	BD Biosciences	610189
Rabbit IgG [Alexa Fluor 647]	*Polyclonal*	Invitrogen	A-31573
Mouse IgG [Alexa Fluor 488]	*Polyclonal*	Invitrogen	A-11029
PCR primers with FAM dye-labeled probes			
STAT3	Hs00374280_m1	Thermo Fisher Scientific	4331182
Bcl2	Hs00608023_m1	Thermo Fisher Scientific	4331182
CASP3	Hs00234385_m1	Thermo Fisher Scientific	4331182
CSF2R-α	Hs00531296_g1	Thermo Fisher Scientific	4331182
c-Myc	Hs00153408_m1	Thermo Fisher Scientific	4331182
Cyclin D1	Hs00765553_m1	Thermo Fisher Scientific	4331182
LPL	Hs00173425_m1	Thermo Fisher Scientific	4331182
p21	Hs01040810_m1	Thermo Fisher Scientific	4331182
ROR1	Hs00178178_m1	Thermo Fisher Scientific	4331182
PTX3	Hs00173615_m1	Thermo Fisher Scientific	4331182
GAPDH	Hs02786624_g1	Thermo Fisher Scientific	4331182
Chromatin immunoprecipitation (ChIP) antibodies			
STAT3	79D7	Cell Signaling Technology	4904
IgG	*Polyclonal*	Cell Signaling Technology	2729
siRNAs			
PTX3	-	Thermo Fisher Scientific	AM16708
Negative Control No. 1	-	Thermo Fisher Scientific	AM4611
GAPDH [FAM]	-	Thermo Fisher Scientific	AM4650

Supplemental Table SIII. Primers and probes used in the STAT3-to-DNA binding assays

GAS-like elements	Position* (bp)	Length (bp)	Primers *or* probe
Chromatin immunoprecipitation (ChIP) assay			
1 and 2	-271 → -168	104	Forward: 5'-TTGGGAAGCTGAGGTAGGAGA-3' Reverse: 5'-TGAGGAGTTGCACCTATACTTTT-3'
3	-617 → -548	70	Forward: 5'-AAAAGTATAGGTGCAACTCCTCA-3' Reverse: 5'-TGGCTCTGAAAGTCAAGTCCAA-3'
4	-746 → -595	152	Forward: 5'-TGACTGCAGCGTAAACCTTTG-3' Reverse: 5'-AACGGGAGTTCCCCTGAATTT-3'
Electromobility shift assay (EMSA)			
1	-190 → -171	20	CCAAATTCAGGGGAACTCCC
2	-246 → -227	20	TTAATATTGTGCAACTTCCA
3	-595 → -576	20	AAGTATTAAAGACAAGATAG
4	-630 → -611	20	AAAAATTATCTATAAAAGTA
Dual-reporter luciferase assay			
1, 2, 3, and 4	-746 → 0	746	Forward: 5'-TTGGGAAGCTGAGGTAGGAGA-3' Reverse: 5'-TGCTGGAGAGACGCAAAGTT-3'
1 and 2	-597 → 0	597	Forward: 5'-AGCTCGGATTGGACTTGACTT-3' Reverse: 5'-TGCTGGAGAGACGCAAAGTT-3'
1	-230 → 0	230	Forward: 5'-TCCACATTTCCCTCGCTCTC-3' Reverse: 5'-TGCTGGAGAGACGCAAAGTT-3'
-	-140 → 0	140	Forward: 5'- CATCCCCATTCAGGCTTTCCT-3' Reverse: 5'-TGCTGGAGAGACGCAAAGTT-3'

Abbreviations: GAS, gamma-interferon activated sequence.
*Position from the PTX3 gene start codon.