

PCR amplification of A20

The coding exons and splice sites of A20 were amplified using the primers listed in Table S1. Multiple primers flanking short (<300 bp) overlapping segments were used given the fragmented nature of formalin fixed paraffin embedded DNA. PCR was first conducted using 34 cycles. A second amplification was performed when necessary using identical primers and conditions.

Table S1. A20 primers

Exon	Primer Name	Sequence
EXON 2	A20_E2A_F	5'-GGGTAATGACAAGATGAAACAC-3'
	A20_E2A_R	5'-GTTCTGAACATTTCCAGTG-3'
	A20_E2B_F	5'-GATACGGGAGAGAACTCCAG-3'
	A20_E2B_R	5'-AGCTTCATGAATGGGGATC-3'
EXON 3	A20_E3A_F	5'-GAAAACCTTTGCTGGGTCTT-3'
	A20_E3A_R	5'-CCGTTTCAACAAATTCCTGA-3'
	A20_E3B_F	5'-CCACTTCTCAGTACATGTGG-3'
	A20_E3B_R	5'-CCATCAGATGCTACCAGAGGGC-3'
EXON 4	A20_E4_F	5'-TGACTTTTTAGTACAGGG-3'
	A20_E4_R	5'-GTTTTCTCCAGGAGCCAA-3'
EXON 5	A20_E5_F	5'-TTCAGCCTTATGCCTTGGCTCC-3'
	A20_E5_R	5'-CCTGATGTTTCAGTGTCTAG-3'
EXON 6	A20_E6A_F	5'-GGCCTTGTTTAGTAGAATAC-3'
	A20_E6A_R	5'-CGGGGATTTCTATCACCATTAAG-3'
	A20_E6B_F	5'-GCTGTTCCACTTGTTAACAGA-3'
	A20_E6B_R	5'-CTGTTGAGCTTCAGGGTGGCA-3'
EXON 7	A20_E7A_F	5'-CTAATGATGTAATAATCTTGTG-3'
	A20_E7A_R	5'-GCTTTGGGAGTTTGTTTTGATTC-3'
	A20_E7B_F	5'-CCAAGTCCCCTTCTTCATGTCTGT-3'
	A20_E7B_R	5'-CGTTGTGGCAACGTTACAA-3'
	A20_E7C_F	5'-GAGCCCTTGGCGTGAACCC-3'
	A20_E7C_R	5'-GGAACGCTGGTGACAGGAAG-3'
	A20_E7D_F	5'-ACTTGGATCCCAGGAAGTGCCAAGCC-3'
	A20_E7D_R	5'-CGATGAAACACAGTGTGCAA-3'
	A20_E7E_F	5'-TGTCTCAAGCTGCACGGACTC-3'
A20_E7E_R	5'-TAGGTCCTGACAGTTCTGCC-3'	
EXON 8	A20_E8A_F	5'-GTATCGGTGGGGTGACCCCTATGT-3'
	A20_E8A_R	5'-GTTGCTCTTCTGTCCCTTTTGGCC-3'
	A20_E8B_F	5'-AGGGAAAGTCAGTCCACAG-3'
	A20_E8B_R	5'-TGTCGGTAGAAAACGCTCCAGC-3'
EXON 9	A20_E9A_F	5'-TGCTCTCCCTAAGAAATGTG-3'
	A20_E9A_R	5'-AAAATGATCACAGGCGGGGGCC-3'
	A20_E9B_F	5'-AAGAACATCCTGGCCTGCCGCAGC-3'
	A20_E9B_R	5'-GGATAGCACCATGATGACTG-3'

Table S2. Description of A20 mutations

Sample ID	Diagnosis	Mutation*	Location	Consequence
C27	DLBCL, GCB	G327T(E88X)	Exon 2	Truncated protein of 87aa
C35	DLBCL, non-GCB	A157T(K31X)	Exon 2	Truncated protein of 30aa
C79	Plasmablastic lymphoma	G1822A(A586T)	Exon 7	Amino acid change

* Numbering according to GenBank accession No NM_006290.2 (nucleotide changes) and NP_006281.1 (amino acid changes, in brackets)

Abbreviations: DLBCL, diffuse large B-cell lymphoma; GCB, germinal center B-cell; aa, amino acid

Table S3. Cases with evidence of A20 inactivation

	Sample ID	Diagnosis	FISH	IHC	Mutation	EBER	LMP1
1	C83	BCL, U	nl	-	No	+	-
2	C53	BL	nl	-	No	-	-
3	C63	BL	No hybridization	-	Not performed	+	-
4	R43	BL	nl	-	Not performed	-	-
5	R49	BL	nl	-	Not performed	-	-
6	C27	DLBCL GCB	nl	+	STOP codon Exon 2	-	-
7	C57	DLBCL GCB	LOH	+	No	-	-
8	R51	DLBCL, GCB	No hybridization	-	Not performed	-	-
9	C05	DLBCL non GCB	LOH	+	No	-	-
10	C35	DLBCL non GCB	LOH	+	STOP codon Exon 2	+	+/-
11	C69	PBL	Homozygous loss	-	No	+	-
12	C77	PBL	LOH	+	Not performed	+	-
13	C79	PBL	LOH	+	Ala to Thr Exon 7	+	-

Abbreviations: BCL, U, B-cell lymphoma, unclassifiable, intermediate between Burkitt lymphoma and DLBCL; BL, Burkitt lymphoma; PBL, plasmablastic lymphoma; nl, normal; LOH, loss of heterozygosity; ICH, immunohistochemistry; EBER, Epstein-Barr virus encoded RNA; LMP-1, latent membrane protein-1, +/-, intermediate LMP1 expression (<10%)

