***TABLE* S1.** Oligonucleotides used in experiments

***RT-PCR experiment***

| Gene | Forward | Reverse | References |
|---|---|---|---|
| *Nfe2l2* | *CCATTTACGGAGACCCACCGCCTG* | *CTCGTGTGAGATGAGCCTCTAAGCGG* | *original, 273 bp product* |
| *Nfe2l1* | *GCAGTGCCTAGTGAGAGTGAG* | *ACGCCTGATGCAGGCTGACATTC* | *original, 255 bp product* |
| *Nfe2l3* | *GGAGCCAGGAGAACGGGATGCTAAGAG* | *GAGTGGCTTGCTCAGGATTTGTATGAG* | *original, 501 bp product* |
| *Notch1* | *CCTCATGATTGCCTCCTGCAGTGG* | *CAGGATCAGTGGAGTTGTGCCATCATGCA* | *(1)* |
| *Notch1-2* | *GGCACTGTGGATTATGCCTG* | *AGCGACAGATGTATGAAGACTCA* | PrimerBank ID 31339069a2 |
| *Rbpj* | *GACTCACTAGGGAAGCTATGCG* | *TCCATCTCGTTCCATTTGCTC* | PrimerBank ID 30411012a2 |
| *p21* | *CCGAGAACGGTGGAACTTTGACT* | *GCAGAAGACCAATCTGCGCTTGG* | *(2)* |
| *Hes1* | *TCAACACGACACCGGACAAACC* | *GGTACTTCCCCAACACGCTCG* | *(3)* |
| *Hes1-2* | *ATAGCTCCCGGCATTCCAAG* | *GCGCGGTATTTCCCCAACA* | PrimerBank ID 6680205a2 |
| *Herp1* | *CAATTCACCGACAACTACCTCTC* | *GCCTTTTCTAACTTGGCAGATCC* | PrimerBank ID 7305159a2 |
| *Herp2* | *GCGCGGACGAGAATGGAAA* | *TCAGGTGATCCACAGTCATCTG* | PrimerBank ID 6754188a1 |
| *Nrarp* | *AAGCTGTTGGTCAAGTTCGGA* | *CGCACACCGAGGTAGTTGG* | PrimerBank ID 16751909a1 |
| *Jag1* | *CCAGCCAGTGAAGACCAAGT* | *TCAGCAGAGGAACCAGGAAA* | *(4)* |
| *Dll1* | *CTGAGGTGTAAGATGGAAGCG* | *CAACTGTCCATAGTGCAATGG* | *(5)* |
| *Nqo1* | *CATTCTGAAAGGCTGGTTTGA* | *TTTCTTCCATCCTTCCAGGAT* | *(6)* |
| *Nqo1-2* | *GGCATCCTGCGTTTCTGTG* | *GGTTTCCAGACGTTTCTTCCAT* | PrimerBank ID 6679080a3 |
| *Gsta1* | *CCGTTACTTGCCTGCCTTTG* | *TGCAGCTTCACTGAATCTTGAAAG* | *(7)* |
| *Gsta1-2* | *CGCAGACCAGAGCCATTCTC* | *TTGCCCAATCATTTCAGTCAGAT* | *(8)* |
| *Alb* | *TGCTTTTTCCAGGGGTGTGTT* | *TTACTTCCTGCACTAATTTGGCA* | Primer Bank ID 33859506a1 |
| *Tbp* | *AAGAGAGCCACGGACAACTG* | *TACTGAACTGCTGGTGGGTC* | *(4)* |
| *Tbp-2* | *TCTACCGTGAATCTTGGCTGT* | *CTGGCTCATAGCTCTTGGCTC* | *(8)* |
| *Hprt* | *GCTGGTGAAAAGGACCTCTC* | *CACAGGACTAGAACACCTGC* | *(9)* |
| *18S* | *GTAACCCGTTGAACCCCATT* | *CCATCCAATCGGTAGTAGCG* | *(10)* |
| *Keap1* | *CCCATG GAAAGGCTTATTGAGTTC* | *GAAGTGCATGTAGATATACTCCC* | *original, 230 bp product* |

*Primer Bank ;* http://pga.mgh.harvard.edu/primerbank/

***EMSA***

| Name | Oligonucleotides |
|---|---|
| Notch1-ARE | GGAGCGCCCGCCCGCTCAGAGCCTCAC |
| Notch1-mutARE | GGAGCGCCCGCCCGCAAAGAGCCTCAC |
| Gsta1-ARE | CTTGGAAATGACATTGCTAATGGTG |

***-206 reporter serial mutant constructs for PCR cloning***

| Construct | Oligonucleotides |
|---|---|
| -206 wild-type | CGGTACCGCCCGCTCAGAGCCTCACTAGTGCCTCTGCCGCGG |
| -206AREmut | CGGTACCGCCCGCAAAGAGCCTCACTAGTGCCTCTGCCGCGG |
| Notch1 3-2 | CGTGCCATGGCTGCTCGCCAGCTGCCCGCAGCCCGGGCGGCG |

***TABLE S2.*** PCR conditions for genotyping

***Genotyping for RCKF cells***

| | | |
|---|---|---|
| 5-cko 4int1 | GCACATCCTTCATCTCTCCGCACTGGGGAG | |
| 3-Kp1-4Ex | CCTCCGTGTCAACATTGGCGCGACTAG | |
| R379-EGFP | TCAGCTCGATGCGGTTCACC | |
| Cre1 | ACGTTCACCGGCATCAACGT | |
| Cre2 | CTGCATTACCGGTCGATGCA | for *CreER* |
| IMR3621 | CGTGATCTGCAACTCCAGTC | http://jaxmice.jax.org/support/genotyping/index.html |
| IMR3622 | GGAGCGGGAGAAATGGATATG | for wild-type *Rosa* locus |

Reaction for *Keap1*$^{flox}$MEF

| Step # | Temp °C | Time | Note |
|---|---|---|---|
| 1 | 95 | 1 min | - |
| 2 | 95 | 30 sec | - |
| 3 | 68.5 | 30 sec | - |
| 4 | 72 | 30 sec | repeat steps 2-4 for 35 cycles |
| 5 | 72 | 1 min | - |
| 6 | 4 | - | hold |

Product Size ----------Undisrupted : ~350 bp, Disrupted : ~650 bp, Wt : ~250 bp

Reaction for *Cre* transgenic allele

| Step # | Temp °C | Time | Note |
|---|---|---|---|
| 1 | 94 | 1 min | - |
| 2 | 94 | 30 sec | - |
| 3 | 60 | 30 sec | - |
| 4 | 72 | 30 sec | repeat steps 2-4 for 35 cycles |
| 5 | 4 | - | hold |

Product Size ----------*Cre*-Tg : 355 bp

Reaction for *Rosa Wt allele (*http://jaxmice.jax.org/support/genotyping/index.html)

| Step # | Temp °C | Time | Note |
|---|---|---|---|
| 1 | 94 | 3 min | - |
| 2 | 94 | 30 sec | - |
| 3 | 68 | 1 min | - |
| 4 | 72 | 1 min | repeat steps 2-4 for 35 cycles |
| 5 | 72 | 2 min | - |
| 6 | 10 | - | hold |

Product Size ---------- Wt : 400 bp

***Genotyping for Nrf2$^{-/-}$::Rosa$^{NICD/-}$::AlbCre mouse in Fig.5D***

| | | |
|---|---|---|
| IMR0883 | AAAGTCGCTCTGAGTTGTTAT | for Rosa NICD |
| IMR8038 | TAAGCCTGCCCAGAAGACTC | |
| IMR8039 | GAAAGACCGCGAAGAGTTTG | |
| IMR0883 | AAAGTCGCTCTGAGTTGTTAT | for Cre-active allele |
| PGK-3740 | GATGTGGAATGTGTGCGAGGCCAGAGGC | |
| NICD-5477 | GATTGTCGTCCATCAGAGCACCATCTGAGG | |

Reaction for *Rosa NICD (*http://jaxmice.jax.org/support/genotyping/index.html)

| Step # | Temp °C | Time | Note |
|---|---|---|---|
| 1 | 94 | 3 min | - |
| 2 | 94 | 30 sec | - |
| 3 | 54 | 1 min | - |
| 4 | 72 | 1 min | repeat steps 2-4 for 35 cycles |
| 5 | 72 | 2 min | - |
| 6 | 10 | - | hold |

Product Size ----------Tg : 320 bp, Wt : 235 bp

Reaction for Cre *active allele*

| Step # | Temp °C | Time | Note |
|---|---|---|---|
| 1 | 95 | 1 min | - |
| 2 | 95 | 30 sec | - |
| 3 | 65.4 | 30 sec | - |
| 4 | 72 | 45 sec | repeat steps 2-4 for 35 cycles |
| 5 | 72 | 2 min | - |
| 6 | 4 | - | hold |

Product Size ----------Cre-Active : 650 bp, Cre-Inactive : 550 bp

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