

***ripk2*<sup>ihb45/+</sup> (AB) (CZRC catalog ID: CZ199)**

**Nature of mutation**

ihb 45 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 103 bp and 104 bp of the wildtype *ripk2* coding sequence, a “A” is inserted. The mutated *ripk2* codes for a truncated protein containing 48 aa, 34 aa of which is identical to wildtype *ripk2*.

**Genotyping assay**

**Primers:**

Ihb45\_forward: 5' TCTCTCTCTGCGTAACAGTGC 3'

Ihb45\_reverse: 5' GAAAAGCCCAATAAGAATGCT 3'

**PCR program:**

94°C 4min  
94°C 30 sec } 30 Cycles  
55°C 30 sec }  
72°C 30 sec }  
72°C 5min  
4°C hold

**Product size: 395 bp**

**The sequencing results of the parents:**

