

***akap12b*^{ihb69/+} (AB) (CZRC catalog ID: CZ149)**

Nature of mutation

ihb 69 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 95 bp and 107 bp of the wild-type *akap12b* coding sequence, TGCCCTCAAA, is deleted. The mutated *akap12b* codes for a truncated protein containing 44 aa, 31 aa of which is identical to wildtype *akap12b*.

Genotyping assay

Primers:

Ihb69_forward: 5' CAGACGATTTTAAACACTTGG 3'

Ihb69_reverse: 5' TGTGAATTTGAATCCAACGA 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: 396 bp

The sequencing results of the parents:

