
***Stat3*^{ihb211/+} (AB) (CZRC catalog ID: CZ387)**

Nature of mutation

Ihb211 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. 138 bp to 165 bp of the wild-type stat3 coding sequence, GGCCAACAAGGAGTCTCACGCCACGCTG, is mutated into aatctaaatataattctacttaatcacttccaaaaccttaatcacttttaactttaactgcaggagg. Besides, between 251 and 252 bp of the downstream coding sequence, cacaacctgcg is inserted. The mutated stat3 codes for a truncated protein containing 47 aa, 46 aa of which is identical to wildtype stat3.

Genotyping assay

Primers:

Ihb211_forward: 5' TTGTCTCAGGACAACGTGAAG 3'

Ihb211_reverse: 5' CTGCACATTGCTTGTACAATG 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: 676 bp