

hTARDBP

Nomenclature	C57BL/6Smoc- <i>Tardbp</i> ^{tm(hTARDBP)Smoc}
Cat. NO.	NM-HU-230026
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Tardbp	Synonyms	Tdp43; C85084; TDP-43; 1190002A23Rik
	NCBI ID	230908
	MGI ID	2387629
	Ensembl ID	ENSMUSG00000041459
	Human Ortholog	TARDBP

Model Description

The endogenous mouse *Tardbp* gene was replaced by human TARDBP gene.

*Literature published using this strain should indicate: hTARDBP mice (Cat. NO. NM-HU-230026) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

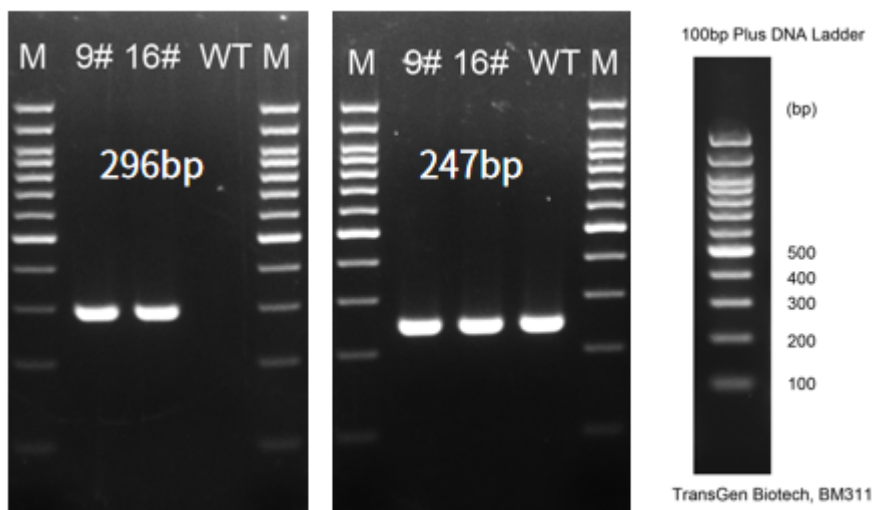


Fig.1 Detection of TARDBP expression in bladder by RT-PCR.

Wild type: only one band at 247 bp with primers F1/R1(mTardbp);

Heterozygous: one band at 247 bp with primers F1/R1(mTardbp) and one band at 296 bp with primers F2/R2(hTARDBP).

Abbr. M, DNA marker; HE, heterozygous; WT, wild type.

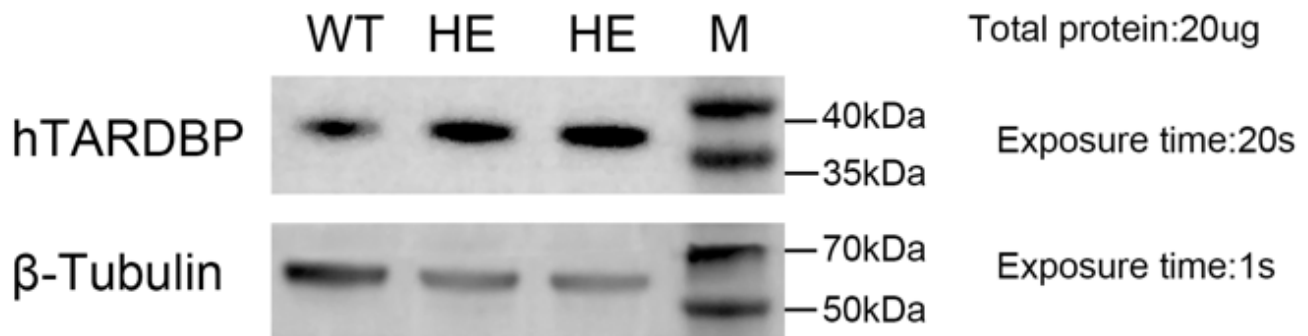


Fig.2 Detection of human TARDBP expression in brain in hTARDBP knockin mice by WB.

Abbr. HE, heterozygous; WT, wild type; M, marker.

Note: The anti-human TARDBP antibody cross-reacted with mouse TARDBP and humanized TARDBP.