## hHER2

Nomenclature	C57BL/6Smoc- <i>Erbb2</i> <sup>tm1(hERBB2)Smoc</sup>
Cat. NO.	NM-HU-200115
Strain State	Repository Live

## **Gene Summary**

Gene Symbol Erbb2	Synonyms	Neu; HER2; HER-2; c-neu; Erbb-2; c-erbB2; l11Jus8; mKIAA3023
	NCBI ID	<u>13866</u>
	MGI ID	<u>95410</u>
	Ensembl ID	ENSMUSG0000062312
	Human Ortholog	ERBB2

## **Model Description**

The endogenous mouse Erbb2 gene was replaced by human ERBB2 gene. **Research Application**: Immune-related; tumor research; drug screening
\*Literature published using this strain should indicate: hHER2 mice (Cat. NO. NM-HU-200115) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data



								100bp Plus DNA Ladder
M HO WT M HO WT M H	uodenum OWTMHOW		In all metrice stomach HO WT M HO WT M				stone stonach VT M HO WT M	(bp) 5000 4000 3000 1000
								TransGen Biotech, BM31
mHer2	F1/R1	375bp		hHER2	F2/R2	223bp		

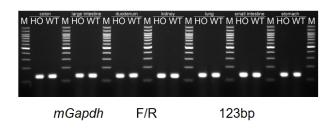


Fig1. Detection of HER2 expression by RT-PCR.

Wild type: only one band at 375 bp with primers F1/R1 (mHer2);

Homozygous: one band at 223 bp with primers F2/R2 (hHER2).

Abbr. M, DNA marker; HO, homozygous; WT, wild type.

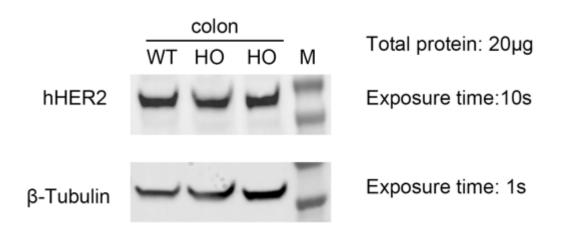


Fig2. Detection of HER2 expression in homozygous hHER2 mice by Western Blot.

(Note: The HER2 antibody cross-reacted with mHER2 and humanized HER2)