

# hCRBN

|      |                                                    |
|------|----------------------------------------------------|
| 品系全名 | C57BL/6Smoc- <i>Crbn</i> <sup>tm1(hCRBN)Smoc</sup> |
| 目录号  | NM-HU-225071                                       |
| 品系状态 | 活体                                                 |

## 基因信息

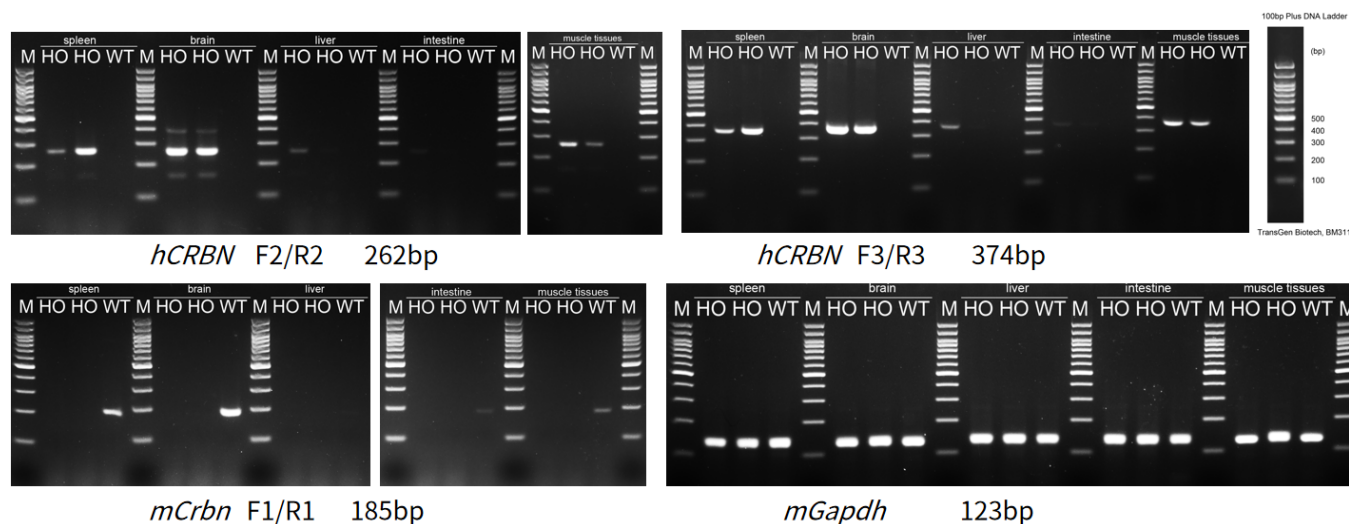
|                    |            |                                                          |
|--------------------|------------|----------------------------------------------------------|
| 基因名<br><b>Crbn</b> | 基因曾用名      | piL; AF229032; AW108261;<br>2610203G15Rik; 2900045O07Rik |
|                    | NCBI ID    | <a href="#">58799</a>                                    |
|                    | MGI ID     | <a href="#">1913277</a>                                  |
|                    | Ensembl ID | <a href="#">ENSMUSG00000005362</a>                       |
|                    | 人类同源基因     | CRBN                                                     |

## 品系描述

利用同源重组，将小鼠*Crbn*基因进行人源化修饰。

\*使用本品系发表的文献需注明: hCRBN mice (Cat. NO. NM-HU-225071) were purchased from Shanghai Model Organisms Center, Inc..

## 验证数据

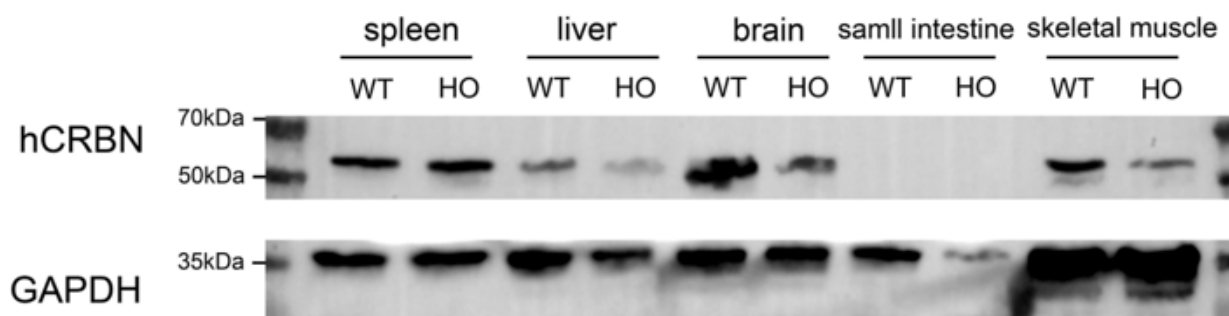


**Fig1. Detection of CRBN expression in spleen, brain, liver, intestine and muscle tissues by RT-PCR.**

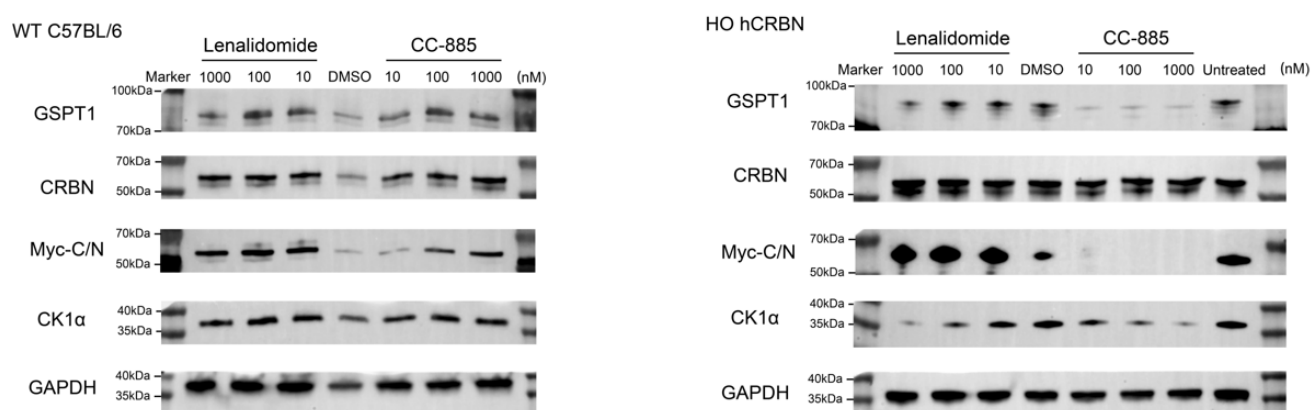
Wild type: only one band at 185 bp with primers F1/R1 (mCrbn);

Homozygous: one band at 262 bp with primers F2/R2 (hCRBN) and one band at 374 bp with primers F3/R3 (hCRBN);

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



**Fig2. Expression characterization of hFCRN in homozygous hCRBN KI mice by Western blot.**



**Fig3. The degradation of GSPT1, CK1a and Myc by Lenalidomide and CC-885 in hCRBN knockin mice were determined by western blot.**

The splenocytes derived from wild-type C57BL/6 (WT) and homozygous hCRBN KI (HO) mice were treated with 1% DMSO, Lenalidomide (10 nM, 100 nM, 1000 nM) and CC-885 (10 nM, 100 nM, 1000 nM), respectively, in RPMI-1640 cell culture medium for 18 hours *ex vivo*.