


# Anti-HERC2 antibody ab85832

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### 概述

产品名称	Anti-HERC2抗体
描述	兔多克隆抗体to HERC2
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Human 预测可用于: Mouse, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Zebrafish, Rhesus monkey, Gorilla, Xenopus tropicalis 
免疫原	Synthetic peptide corresponding to Human HERC2 aa 4750-4850. Database link: <a href="#">O95714</a>
阳性对照	Whole cell lysate from HeLa cells.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用ab85832于以下的经测试应用

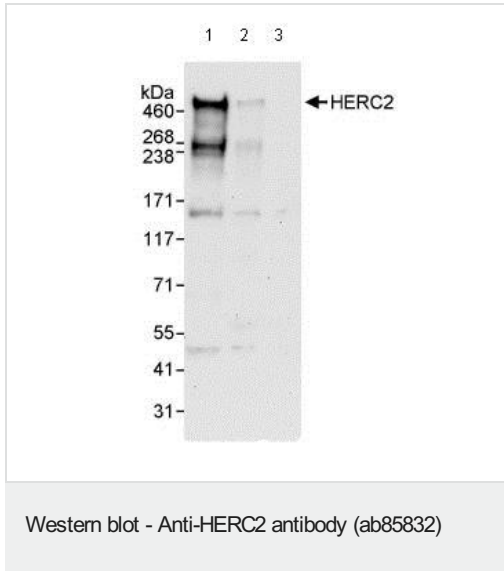
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Predicted molecular weight: 527 kDa.
IP		Use at 2-5 µg/mg of lysate.

## 靶标

<b>功能</b>	E3 ubiquitin-protein ligase that regulates ubiquitin-dependent retention of repair proteins on damaged chromosomes. Recruited to sites of DNA damage in response to ionizing radiation (IR) and facilitates the assembly of UBE2N and RNF8 promoting DNA damage-induced formation of 'Lys-63'-linked ubiquitin chains. Acts as a mediator of binding specificity between UBE2N and RNF8. Involved in the maintenance of RNF168 levels. E3 ubiquitin-protein ligase that promotes the ubiquitination and proteasomal degradation of XPA which influences the circadian oscillation of DNA excision repair activity.
<b>通路</b>	Protein modification; protein ubiquitination.
<b>疾病相关</b>	Mental retardation, autosomal recessive 38
<b>序列相似性</b>	Contains 1 cytochrome b5 heme-binding domain. Contains 1 DOC domain. Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain. Contains 1 MIB/HERC2 domain. Contains 21 RCC1 repeats. Contains 1 ZZ-type zinc finger.
<b>结构域</b>	The ZZ-type zinc finger mediates binding to SUMO1, and at low level SUMO2. The RCC1 repeats are grouped into three seven-bladed beta-propeller regions.
<b>翻译后修饰</b>	Phosphorylation at Thr-4827 is required for interaction with RNF8. Sumoylated with SUMO1 by PIAS4 in response to double-strand breaks (DSBs), promoting the interaction with RNF8.
<b>细胞定位</b>	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Nucleus. Recruited to sites of DNA damage in response to ionizing radiation (IR) via its interaction with RNF8. May have loose association with centrosomes during mitosis.

## 图片



**All lanes :** Anti-HERC2 antibody (ab85832) at 0.1 µg/ml

**Lane 1 :** Whole cell lysate from HeLa cells at 50 µg

**Lane 2 :** Whole cell lysate from HeLa cells at 15 µg

**Lane 3 :** Whole cell lysate from HeLa cells at 5 µg

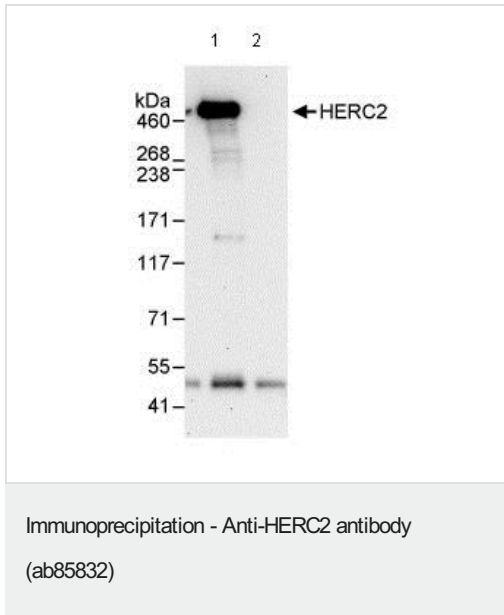
Developed using the ECL technique.

**Predicted band size:** 527 kDa

**Observed band size:** 527 kDa

**Additional bands at:** 160 kDa, 260 kDa, 50 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 2 minutes



Immunoprecipitation/ Western Blot

For IP:

Lane 1: ab85832 at 3µg/mg whole cell lysate.

Lane 2: Control IgG.

ab85832 at 1µg/ml for WB

Whole cell lysate from HeLa cells at 1mg for IP, 20% of IP loaded.

Chemiluminescence with an exposure time of 30 seconds.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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