


# Anti-HERC2 antibody ab85832

**6 References**   [画像数 2](#)

### 製品の概要

製品名	Anti-HERC2 antibody
製品の詳細	Rabbit polyclonal to HERC2
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Zebrafish, Rhesus monkey, Gorilla, <i>Xenopus tropicalis</i> 
免疫原	Synthetic peptide corresponding to Human HERC2 aa 4750-4850. Database link: <a href="#">O95714</a>
ポジティブ・コントロール	Whole cell lysate from HeLa cells.
特記事項	<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>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

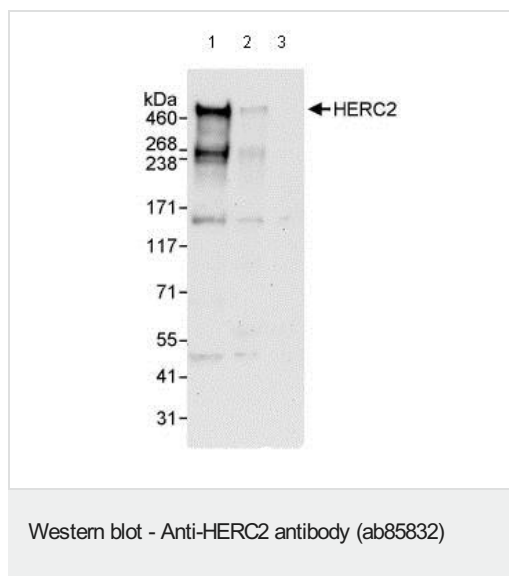
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab85832の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/10000. Predicted molecular weight: 527 kDa.
IP		Use at 2-5 µg/mg of lysate.

## ターゲット情報

機能	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.
パスウェイ	Protein modification; protein ubiquitination.
関連疾患	Mental retardation, autosomal recessive 38
配列類似性	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.
ドメイン	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.
翻訳後修飾	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.
細胞内局在	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.

## 画像



**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

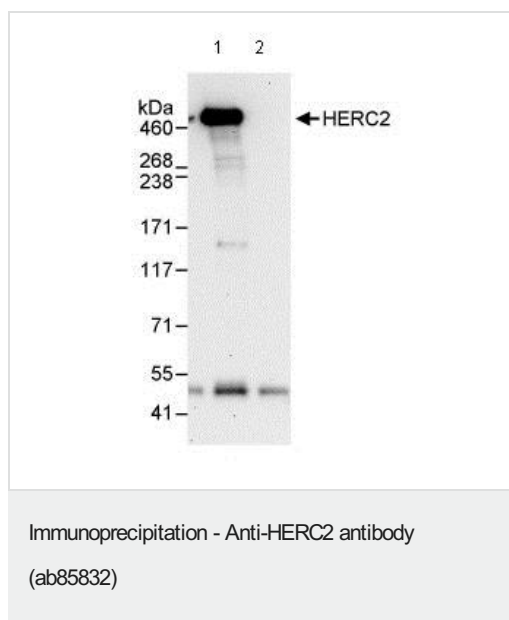
Developed using the ECL technique.

**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.

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