

## Product datasheet

# Anti-STUB1 antibody [EPR4448] ab109103

リコンビナント RabMAb®

★★★★☆☆ 2 Abreviews 2 References 画像数 2

### 製品の概要

製品名	Anti-STUB1 antibody [EPR4448]
製品の詳細	Rabbit monoclonal [EPR4448] to STUB1
由来種	Rabbit
アプリケーション	適用あり: WB, IP, ICC/IF 適用なし: Flow Cyt or IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human STUB1 aa 250-350. The exact sequence is proprietary.
ポジティブ・コントロール	HeLa, MCF7, ECV304, and 293T cell lysates; HeLa cells.
特記事項	

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab® patents](#)

This product is a recombinant rabbit monoclonal antibody.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR4448
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab109103** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

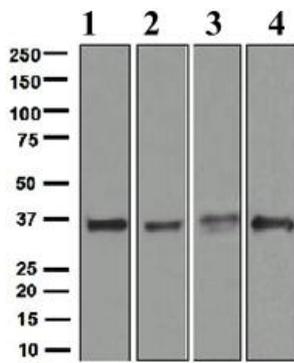
アプリケーション	Abreviews	特記事項
WB	★★★★★	1/1000 - 1/10000. Predicted molecular weight: 35 kDa.
IP	★☆☆☆☆	1/10 - 1/100.
ICC/IF		1/100 - 1/250.

**追加情報** Is unsuitable for Flow Cyt or IHC-P.

## ターゲット情報

<b>機能</b>	E3 ubiquitin-protein ligase which targets misfolded chaperone substrates towards proteasomal degradation. Ubiquitinates NOS1 in concert with Hsp70 and Hsp40. Modulates the activity of several chaperone complexes, including Hsp70, Hsc70 and Hsp90. Mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation. Mediates polyubiquitination of DNA polymerase beta (POLB) at 'Lys-41', 'Lys-61' and 'Lys-81', thereby playing a role in base-excision repair: catalyzes polyubiquitination by amplifying the HUWE1/ARF-BP1-dependent monoubiquitination and leading to POLB-degradation by the proteasome. Mediates polyubiquitination of CYP3A4.
<b>組織特異性</b>	Highly expressed in skeletal muscle, heart, pancreas, brain and placenta. Detected in kidney, liver and lung.
<b>パスウェイ</b>	Protein modification; protein ubiquitination.
<b>配列類似性</b>	Contains 3 TPR repeats. Contains 1 U-box domain.
<b>ドメイン</b>	The TPR domain is essential for ubiquitination mediated by UBE2D1.
<b>翻訳後修飾</b>	Phosphorylated upon DNA damage, probably by ATM or ATR. Auto-ubiquitinated; mediated by UBE2D1 and UBE2D2.
<b>細胞内局在</b>	Cytoplasm.

## 画像



Western blot - Anti-STUB1 antibody [EPR4448]  
(ab109103)

**All lanes :** Anti-STUB1 antibody [EPR4448]  
(ab109103) at 1/1000 dilution

**Lane 1 :** HeLa cell lysate

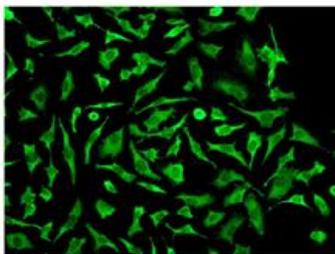
**Lane 2 :** MCF7 cell lysate

**Lane 3 :** ECV304 cell lysate

**Lane 4 :** 293T cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 35 kDa



Immunocytochemistry/ Immunofluorescence - Anti-STUB1 antibody [EPR4448] (ab109103)

Immunofluorescent staining of STUB1 in HeLa cells using ab109103 at 1/100 dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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