

## Product datasheet

# Anti-PRC1 antibody ab103096

### 画像数 1

#### 製品の概要

製品名	Anti-PRC1 antibody
製品の詳細	Rabbit polyclonal to PRC1
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide conjugated to KLH, between internal sequence amino acids 178-207 of Human PRC1.
ポジティブ・コントロール	MDA-MB231 cell line

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
バッファー	Preservative: 0.09% Sodium Azide Constituents: PBS
精製度	Ammonium Sulphate Precipitation
特記事項 (精製)	ab103096 is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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

Our [Abpromise guarantee](#) covers the use of **ab103096** in the following tested applications.

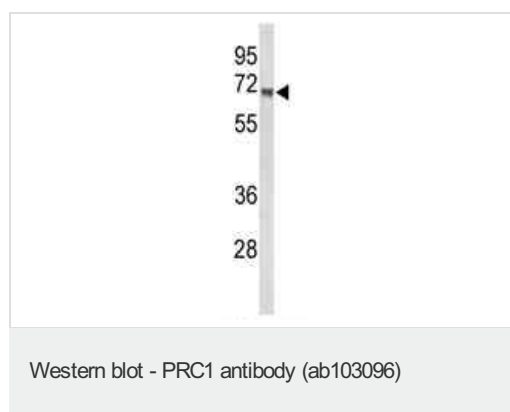
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/50 - 1/100. Predicted molecular weight: 72 kDa.

#### ターゲット情報

<b>機能</b>	Cross-links antiparallel microtubules at an average distance of 35 nM. Essential for controlling the spatiotemporal formation of the midzone and successful cytokinesis. Required for KIF14 localization to the central spindle and midbody.
<b>配列類似性</b>	Belongs to the MAP65/ASE1 family.
<b>ドメイン</b>	Microtubule binding occurs via a basic patch in the central spectrin-like domain and requires also the unstructured C-terminal domain.
<b>翻訳後修飾</b>	Phosphorylation by CDK1 in early mitosis holds PRC1 in an inactive monomeric state, during the metaphase to anaphase transition, PRC1 is dephosphorylated, promoting interaction with KIF4A, which then translocates PRC1 along mitotic spindles to the plus ends of antiparallel interdigitating microtubules. Dephosphorylation also promotes MT-bundling activity by allowing dimerization.
<b>細胞内局在</b>	Nucleus. Cytoplasm. Cytoplasm > cytoskeleton > spindle pole. Predominantly localized to the nucleus of interphase cells. During mitosis becomes associated with the mitotic spindle poles and localizes with the cell midbody during cytokinesis.

## 画像



Anti-PRC1 antibody (ab103096) at 1/50 dilution + MDA-MB231 cell lysate at 35 µg

**Predicted band size : 72 kDa**

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

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