

Product datasheet

Anti-PRC1 antibody ab103096

1 图像

概述

产品名称	Anti-PRC1抗体
描述	兔多克隆抗体to PRC1
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Synthetic peptide conjugated to KLH, between internal sequence amino acids 178-207 of Human PRC1.
阳性对照	MDA-MB231 cell line

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
存储溶液	Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Ammonium Sulphate Precipitation
纯化说明	ab103096 is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
克隆	多克隆
同种型	IgG

应用

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

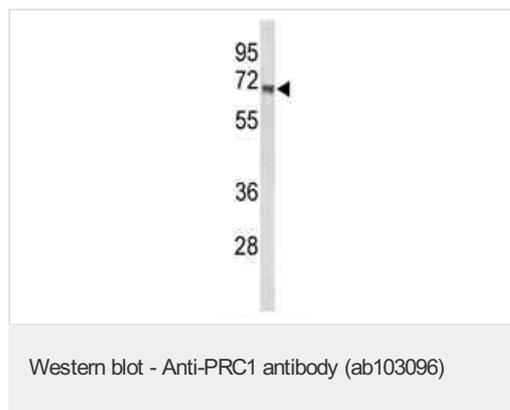
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/50 - 1/100. Predicted molecular weight: 72 kDa.

靶标

功能	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.
序列相似性	Belongs to the MAP65/ASE1 family.
结构域	Microtubule binding occurs via a basic patch in the central spectrin-like domain and requires also the unstructured C-terminal domain.
翻译后修饰	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.
细胞定位	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.

图片



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

Predicted band size: 72 kDa

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