

[Go to Product page](#)

Datasheet for ABIN6991683
anti-PRC1 antibody (AA 350-400)

Overview

Quantity:	0.1 mg
Target:	PRC1
Binding Specificity:	AA 350-400
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	PRC1 antibody was raised against a 19 amino acid synthetic peptide near the center of human PRC1. The immunogen is located within amino acids 350 - 400 of PRC1.
Isotype:	IgG
Specificity:	At least three alternatively spliced transcript variants encoding distinct isoforms have been observed.
Purification:	PRC1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PRC1
Alternative Name:	PRC1 (PRC1 Products)

Target Details

Background: PRC1 Antibody: PRC1 (Protein Regulator of Cytokinesis 1) is a key regulator of cytokinesis and has been identified as a substrate for several cyclin-dependent kinases (CDKs). High levels of PRC1 expression occurs during S and G2/M and drops dramatically after mitosis exit and G1 entry. It is located in the nucleus during interphase and binds to the midzone of mitotic spindles during anaphase and is localized to the cell midbody during cytokinesis. Depletion of PRC1 has been shown to prevent cellular cleavage, but it has no effect on nuclear division, demonstrating the importance of PRC1 in mitosis.

Gene ID: 9055

NCBI Accession: [NP_003972](#)

UniProt: [O43663](#)

Application Details

Application Notes: PRC1 antibody can be used for detection of Prc1 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 2.5 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PRC1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: PRC1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.