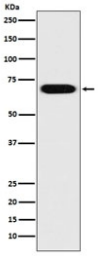
# PRC1 Antibody [clone EH-16] (RQ4746)

| Catalog No. | Formulation | Size |
|---|---|---|
| RQ4746 | Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA | 100 ul |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-2 weeks |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Rabbit Monoclonal |
| **Isotype** | Rabbit IgG |
| **Clone Name** | EH-16 |
| **Purity** | Affinity purified |
| **UniProt** | O43663 |
| **Applications** | Western blot: 1:500-1:2000 |
| **Limitations** | This PRC1 antibody is available for research use only. |




Western blot testing of human HeLa cell lysate with PRC1 antibody. Expected molecular weight ~70-80 kDa, may be observed as a doublet.

## Description

Protein regulator of cytokinesis 1 (PRC1) is a key regulator of cytokinesis that cross-links antiparrallel 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. Required to recruit PLK1 to the spindle. Stimulates PLK1 phosphorylation of RACGAP1 to allow recruitment of ECT2 to the central spindle. Acts as an oncogene for promoting bladder cancer cells proliferation, apoptosis inhibition and carcinogenic progression. [UniProt]

## Application Notes

Optimal dilution of the PRC1 antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human PRC1 was used as the immunogen for the PRC1 antibody.

## Storage

Store the PRC1 antibody at -20oC.


Copyright © NSJ Bioreagents. All rights reserved.