



PRC1 blocking peptide (CDBP5949)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | This gene encodes a protein that is involved in cytokinesis. The protein is present at high levels during the S and G2/M phases of mitosis but its levels drop dramatically when the cell exits mitosis and enters the G1 phase. It is located in the nucleus during interphase, becomes associated with mitotic spindles in a highly dynamic manner during mitosis, and localizes to the cell mid-body during cytokinesis. This protein has been shown to be a substrate of several cyclin-dependent kinases (CDKs). It is necessary for polarizing parallel microtubules and concentrating the factors responsible for contractile ring assembly. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012] |
| Conjugate | Unconjugated |
| Applications | Used as a blocking peptide in immunoblotting applications. |
| Format | Liquid |
| Concentration | 200 µg/mL |
| Size | 0.05 mg |
| Preservative | None |
| Storage | -20°C |

GENE INFORMATION

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|------------------------|---|
| Gene Name | PRC1 protein regulator of cytokinesis 1 [Homo sapiens (human)] |
| Official Symbol | PRC1 |
| Synonyms | PRC1; protein regulator of cytokinesis 1; ASE1; protein regulating cytokinesis 1; anaphase spindle elongation 1 homolog |

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|-----------------------|---|
| Entrez Gene ID | 9055 |
| mRNA Refseq | NM_001267580 |
| Protein Refseq | NP_001254509 |
| UniProt ID | O43663 |
| Function | identical protein binding; microtubule binding; protein binding; protein kinase binding |