

**Mouse Ring1 Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP20847c****Specification**

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**Mouse Ring1 Blocking Peptide (C-term) - Product Information**Primary Accession [O35730](#)**Mouse Ring1 Blocking Peptide (C-term) - Additional Information****Gene ID** 19763**Other Names**

E3 ubiquitin-protein ligase RING1, 632-, Polycomb complex protein RING1, RING finger protein 1, Transcription repressor Ring1A, Ring1, Ring1A, Rnf1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 306-320 of HUMAN Ring1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Mouse Ring1 Blocking Peptide (C-term) - Protein Information****Name** Ring1 {ECO:0000312|MGI:MGI:1101770}**Synonyms** Ring1A, Rnf1**Function**

Constitutes one of the E3 ubiquitin-protein ligases that mediate monoubiquitination of 'Lys-119' of histone H2A, thereby playing a central role in histone code and gene regulation. H2A 'Lys-119' ubiquitination gives a specific tag for epigenetic transcriptional repression and participates in X chromosome inactivation of female mammals. Essential component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones, rendering chromatin heritably changed in its expressibility. Compared to RNF2/RING2, it does not have the main E3 ubiquitin ligase activity on histone H2A, and it may rather act as a modulator of RNF2/RING2 activity (By similarity).

**Cellular Location**

Nucleus speckle.

### **Mouse Ring1 Blocking Peptide (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **Mouse Ring1 Blocking Peptide (C-term) - Images**

### **Mouse Ring1 Blocking Peptide (C-term) - Background**

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### **Mouse Ring1 Blocking Peptide (C-term) - References**

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Rowen L., et al. Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.  
Carninci P., et al. Science 309:1559-1563(2005).  
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de Napoles M., et al. Dev. Cell 7:663-676(2004).