



(Mouse) Rybp Blocking Peptide (Center)

Synthetic peptide Catalog # BP21378c

# **Specification**

(Mouse) Rybp Blocking Peptide (Center) - Product Information

Primary Accession <u>Q8CCI5</u>

(Mouse) Rybp Blocking Peptide (Center) - Additional Information

**Gene ID** 56353

#### **Other Names**

RING1 and YY1-binding protein, Death effector domain-associated factor, DED-associated factor, Rybp, Dedaf

#### Target/Specificity

The synthetic peptide sequence is selected from aa 131-145 of HUMAN Rybp

### **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) Rybp Blocking Peptide (Center) - Protein Information

Name Rybp

Synonyms Dedaf

#### **Function**

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the

# (Mouse) Rybp Blocking Peptide (Center) - Background

Inhibits ubiquitination and subsequent degradation of TP53, and thereby plays a role in regulating transcription of TP53 target genes. May be implicated in the regulation of the transcription as a repressor of the transcriptional activity of E4TF1. May bind to DNA. Promotes apoptosis (By similarity).

# (Mouse) Rybp Blocking Peptide (Center) - References

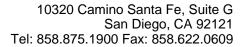
Carninci P.,et al.Science 309:1559-1563(2005).
Garcia E.,et al.EMBO J. 18:3404-3418(1999).
Danen-van Oorschot A.A.M.M.,et al.Cell Death Differ. 11:564-573(2004).
Pirity M.K.,et al.Mol. Cell. Biol. 25:7193-7202(2005).
Arrigoni R.,et al.FEBS Lett. 580:6233-6241(2006).



transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1-like complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility (PubMed:<a href="http://www .uniprot.org/citations/22325148" target="\_blank">22325148</a>, PubMed: <a href="http://www.uniprot.org/ci"> tations/28596365" target=" blank">28596365</a>). Component of a PRC1-like complex that mediates monoubiquitination of histone H2A 'Lys-119' on the X chromosome and is required for normal silencing of one copy of the X chromosome in XX females (PubMed:<a href="http://www.uniprot.org/c itations/28596365" target=" blank">28596365</a>). May stimulate ubiquitination of histone H2A 'Lys-119' by recruiting the complex to target sites (PubMed:<a href="http://www.u niprot.org/citations/22325148" target=" blank">22325148</a>, PubMed:<a href="http://www.uniprot.org/ci tations/28596365" target=" blank">28596365</a>). Inhibits ubiquitination and subsequent degradation of TP53, and thereby plays a role in regulating transcription of TP53 target genes (By similarity). May also regulate the ubiquitin-mediated proteasomal degradation of other proteins like FANK1 to regulate apoptosis (PubMed:<a href="http:/ /www.uniprot.org/citations/17874297" target=" blank">17874297</a>). May be implicated in the regulation of the transcription as a repressor of the transcriptional activity of E4TF1 (By similarity). May bind to DNA (PubMed:<a hr ef="http://www.uniprot.org/citations/19170 609" target=" blank">19170609</a>). May play a role in the repression of tumor growth and metastasis in breast cancer by down-regulating SRRM3 (PubMed:<a href=" http://www.uniprot.org/citations/27748911" target=" blank">27748911</a>).

#### **Cellular Location**

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q8N488}. Nucleus, nucleoplasm. Note=Primarily found in the nucleus Detected in a punctate pattern likely to represent Polycomb group (PcG) bodies.





**Tissue Location** Expressed in embryonic stem cells.

# (Mouse) Rybp Blocking Peptide (Center) - Protocols

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

• Blocking Peptides