

RbBP5 Blocking Peptide

Catalog # PBV10353b

Specification

RbBP5 Blocking Peptide - Product Information

 Primary Accession
 Q8BX09

 Other Accession
 NP_766105

 Gene ID
 213464

 Calculated MW
 59098

RbBP5 Blocking Peptide - Additional Information

Gene ID 213464

Application & Usage The peptide is used for blocking the

antibody activity of RbBP5. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for

30-60 minutes at 37°C.

Other Names

Retinoblastoma-binding protein 5, RBBP-5, Rbbp5

Target/Specificity

RbBP5

Formulation

 $50~\mu g$ (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50 glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

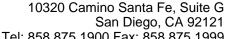
RbBP5 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

RbBP5 Blocking Peptide - Protein Information

Name Rbbp5

Function

In embryonic stem (ES) cells, plays a crucial role in the differentiation potential, particularly along the neural lineage, regulating gene induction and H3 'Lys-4' methylation at key developmental loci, including that mediated by retinoic acid (PubMed:<a





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href="http://www.uniprot.org/citations/21335234" target=" blank">21335234). Does not affect ES cell self-renewal (PubMed:21335234). Component or associated component of some histone methyltransferase complexes which regulates transcription through recruitment of those complexes to gene promoters (By similarity). As part of the MLL1/MLL complex, involved in mono-, di- and trimethylation at 'Lys-4' of histone H3 (By similarity). Histone H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (By similarity). In association with ASH2L and WDR5, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (By similarity).

Cellular Location Nucleus.

RbBP5 Blocking Peptide - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

RbBP5 Blocking Peptide - Images