

RbBP5 Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11560**Specification**

RbBP5 Antibody - Product Information

Application	WB
Primary Accession	Q8BX09
Other Accession	NP_766105
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59098

RbBP5 Antibody - Additional Information**Gene ID** 213464**Other Names**

RbBP5, Retinoblastoma binding protein 5; RBQ3, Retinoblastoma binding protein RBQ3

Target/Specificity

RbBP5

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

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

RbBP5 Antibody - 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:21335234). Does not affect ES cell self-renewal (PubMed:<a href="http://www.uniprot.org/citations/21335234"

target="_blank">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

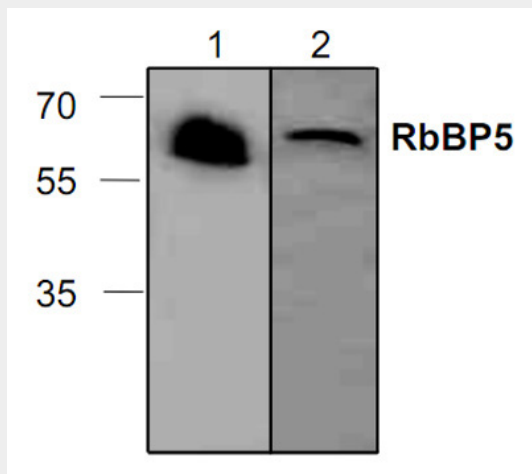
Nucleus.

RbBP5 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RbBP5 Antibody - Images



RbBP5 Antibody - Background

Retinoblastoma binding protein 5 (RbBP5) belongs to a highly conserved subfamily of WD-repeat proteins and it is also a subunit of a human Set1-like histone methyltransferase (HMT) complex. The encoded RbBP 5 protein interacts preferentially with the underphosphorylated retinoblastoma protein via the E1A-binding pocket B