

**RBL2/p130 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6543a**

### Specification

#### **RBL2/p130 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q08999](#)

#### **RBL2/p130 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 5934

#### **Other Names**

Retinoblastoma-like protein 2, 130 kDa retinoblastoma-associated protein, p130, Retinoblastoma-related protein 2, RBR-2, pRb2, RBL2, RB2

#### **Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6543a](#) was selected from the N-term region of human RBL2/p130. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

#### **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.

#### **RBL2/p130 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** RBL2

**Synonyms** RB2

#### **Function**

Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.

## Cellular Location

Nucleus.

## RBL2/p130 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

## RBL2/p130 Antibody (N-term) Blocking Peptide - Images

## RBL2/p130 Antibody (N-term) Blocking Peptide - Background

RBL2 is a key regulator of entry into cell division. The protein is directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. It recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. It controls histone H4 'Lys-20' trimethylation. It probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters.

## RBL2/p130 Antibody (N-term) Blocking Peptide - References

Priya,K., Cancer Biol. Ther. 8 (8), 714-717 (2009) Fields,A.L., J. Cell. Physiol. 217 (1), 77-85 (2008) Masciullo,V., Clin. Cancer Res. 14 (15), 4775-4779 (2008)