

**Product Name: Phospho-Rb2 p130 (Ser952) Rabbit  
Monoclonal Antibody  
Catalog #: AMRe02531**

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## Summary

<b>Production Name</b>	Phospho-Rb2 p130 (Ser952) Rabbit Monoclonal Antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-F,IHC-P,ICC/IF
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	RBL2
<b>Alternative Names</b>	Rb2; P130
<b>Gene ID</b>	5934
<b>SwissProt ID</b>	Q08999

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200
<b>Molecular Weight</b>	Calculated MW: 128 kDa; Observed MW: 128 kDa

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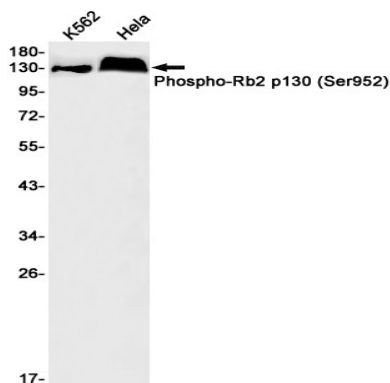
## Background

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.

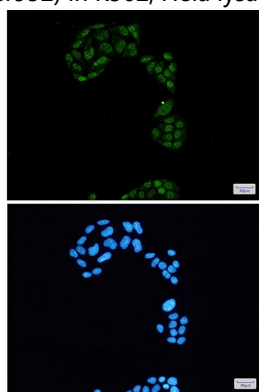
## Research Area

Cell Biology

## Image Data



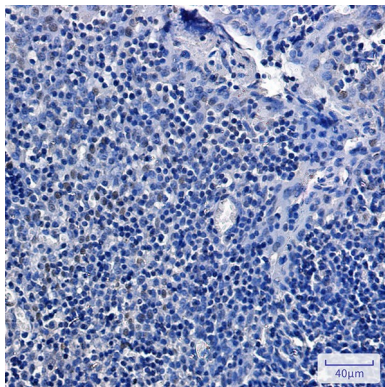
Western blot analysis of Rb2 p130 (Phospho-Ser952) in K562, HeLa lysates using Phospho-Rb2 p130 (Ser952) antibody.



Immunocytochemistry analysis of Rb2 p130 (Phospho-Ser952)(green) in HeLa using Rb2 p130 (Phospho-Ser952) antibody, and DAPI(blue)

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Immunohistochemistry analysis of paraffin-embedded Human tonsil using Rb2 p130 (Phospho-Ser952) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

### **Note**

For research use only.