



Rabbit Anti-phospho-Rb2 p130 (Ser952) antibody

SL17585R

Product Name:	phospho-Rb2 p130 (Ser952)
Chinese Name:	磷酸化视网膜母细胞瘤相关蛋白p130抗体
Alias:	Rb2 p130 (phospho S952); p-Rb2 p130 (phospho S952); p130; PRB2; Rb2; RBL2; RBR2; Retinoblastoma like 2; Retinoblastoma like protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	128kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human Rb2 p130 around the phosphorylation site of Ser952:QN(p-S)PT
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	p130 is related both in structure and function to the retinoblastoma tumor suppressor protein and p107 (collectively known as pocket proteins) and is known to regulate the activity of E2F transcription factors. E2F transcription factors regulate the expression of a number of genes important in cell proliferation, particularly those involved in the

progression through G1 and into the S phase of the cell cycle. Binding of p130 converts E2F transcription factors from transcriptional activators to transcriptional repressors.

Function:

Two retinoblastoma related proteins, p107 and pRb2 / p130, which are structurally and functionally similar to the product of the retinoblastoma gene (pRb / p105), were cloned by taking advantage of their ability to bind transforming proteins of DNA tumor viruses through a particular region called the "pocket domain." Like pRb, both proteins play a fundamental role in growth control. These Rb family proteins were measured in a variety of lung neoplasms. The highest percentage of undetectable levels and the tightest inverse correlation with the histological grading and with PCNA expression in the most aggressive tumor types were found for pRb2 / p130, which may suggest an important role for this protein in the pathogenesis and progression of lung cancer.

Subcellular Location:

Nuclear

SWISS:

Q08999

Gene ID:

5934

Database links:

[Entrez Gene: 5934](#) Human

[Entrez Gene: 5934](#) Human

[Entrez Gene: 19651](#) Mouse

[Omim: 180203](#) Human

[SwissProt: Q08999](#) Human

[SwissProt: 235580](#) Mouse

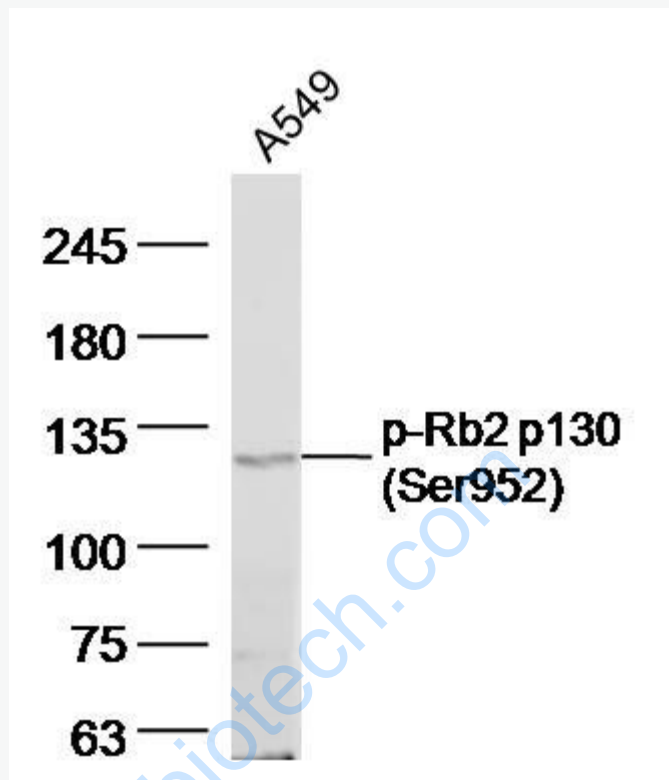
[SwissProt: Q64700](#) Mouse

[Unigene: 283604](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample: A549 Cell (Human) Lysate at 40 ug

Primary: Anti-phospho-Rb2 p130 (Ser952) (SL17585R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 128 kD

Observed band size: 128 kD