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**Product Name: p53 (phospho Ser315) Rabbit Polyclonal Antibody****Catalog #: APRab05165**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA,IP
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000,IP 1:20-1:50
<b>Molecular Weight</b>	43kDa

**Antigen Information**

<b>Gene Name</b>	TP53
<b>Alternative Names</b>	TP53; P53; Cellular tumor antigen p53; Antigen NY-CO-13; Phosphoprotein p53; Tumor suppressor p53
<b>Gene ID</b>	7157.0
<b>SwissProt ID</b>	P04637
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human p53 around the phosphorylation site of Ser315. AA range:281-330

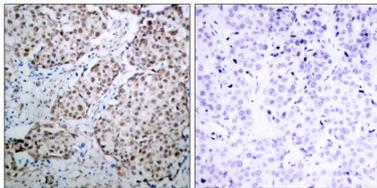
**Background**

Tumor protein p53, a nuclear protein, plays an essential role in the regulation of cell cycle, specifically in the transition from G0 to G1. It is found in very low levels in normal cells, however, in a variety of transformed cell lines, it is expressed in high amounts, and believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing DNA-binding, oligomerization and transcription activation domains.

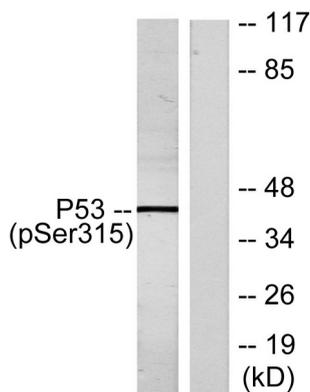
## Research Area

Stem cell pathway; WNT;WNT-T CELL; $\beta$ -Catenin; SAPK\_JNK; AMPK; Cell\_Cycle\_G1S;Cell\_Cycle\_G2M\_DNA; MAPK\_ERK\_Growth;MAPK\_G\_Protein; PI3K/Akt; Protein\_Acetylation

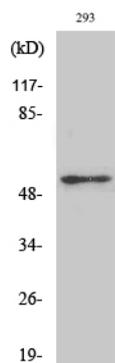
## Image Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using p53 (Phospho-Ser315) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from ovary cancer, using p53 (Phospho-Ser315) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-p53 (S315) Polyclonal Antibody diluted at 1: 1000