Anti-P53 Antibody

Cat# NB-25-00143

Description

Goat polyclonal antibody to P53. This protein reacts to diverse cellular stresses to regulate target genes that induce apoptosis, senescence, cell cycle arrest, DNA repair, or changes in metabolism. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is assumed to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumour suppressor.

Product Information

Alternative names	BCC7, LFS1 and TRP53 antibody.
Storage	Store at -20 °C for long-term storage. Store at 2-8 °C for up to one month.
Special instructions	Avoid freeze/thaw cycles.
Form	Polyclonal antibody supplied as a 200 µl (4 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.
Immunogen	Recombinant peptide derived from within residues 280 aa to the C-terminus of human P53 produced in *E. coli.*
Specificity	Detects endogenous levels of P53 by Western blot and in transfected cells with GFP-P53
Qty	800 µg (4 mg/ml)
Source	Goat
Reactivity	Reacts against human, rat, mouse, canine and monkey proteins.

| **Usage**		
	Western blot	1:500-1:5,000
	Immunofluorescence	1:25-1:250
	Immunohistochemistry (paraffin)	ND
	Immunohistochemistry (frozen)	ND

Sample	Western blot	Immuno-fluorescence	Histochemistry (paraffin)	Histochemistry (frozen)
human	+++	+++	ND	ND
rat	+++	+++	ND	ND
mouse	+++	+++	ND	ND
canine	+++	+++	ND	ND
monkey	+++	+++	ND	ND

+++ excellent, ++ good, + poor, ND not determined

References
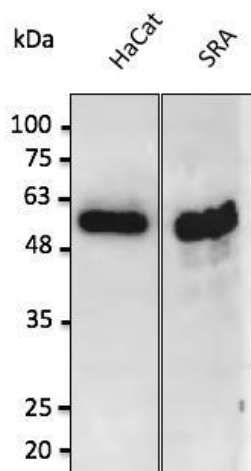
Anti-P53 Ab at 1:2,500 dilution; 50 µg of total protein per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;
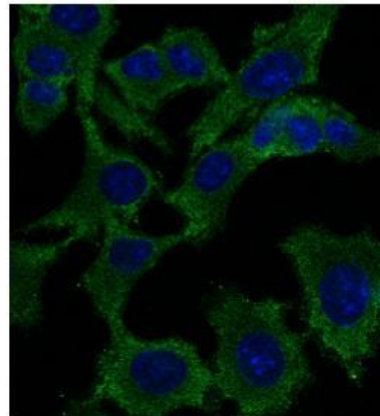
Immunofluorescence – anti-P53 Ab in Hepa1-6 cells at 1/50 dilution; cells were fixed with methanol;

For reference only

For Research Use Only. Not for Diagnostic or Therapeutic Use.