SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0154-200	800 µg

Anti-P53

Source: Goat

General 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.

Alternative names: BCC7, LFS1 and TRP53 antibody.

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: Purified 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.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	ND	ND	+++	ND
Rat	+++	ND	ND	+++	ND
Mouse	+++	ND	ND	+++	ND
Canine	+++	ND	ND	+++	ND
Monkey	+++	ND	ND	+++	ND

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

Usage:

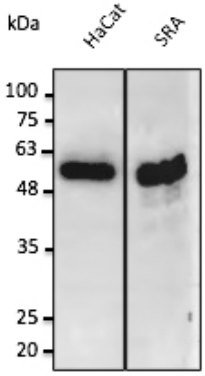
WB: 1:500-1:5,000
IF: 1:25-1:250

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

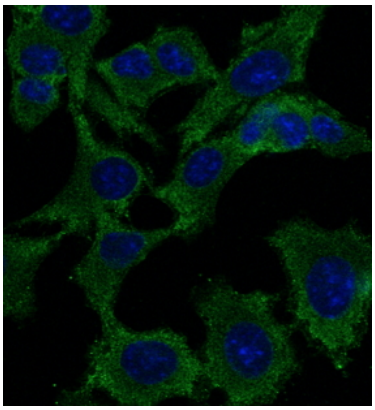
Special instructions: The antibody solution should be gently mixed before use..

References:

1. Alves LS, Marques ARA, Padrao N, et al. J Cell Sci 2021 Sep PMID: 34528688



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 research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.