

30-1920: FITC Conjugated Anti-p53 Monoclonal Antibody (Clone:BP53-12)

Clonality :	Monoclonal
Clone Name :	BP53-12
Application :	FACS
Reactivity :	Human
Conjugate :	FITC
Gene :	TP53
Gene ID :	7157
Uniprot ID :	P04637
Alternative Name :	TP53,P53
Isotype :	Mouse IgG2a
Immunogen Information :	Bacterially expressed full-length wild-type p53

Description

The tumour suppressor protein p53 is a key element of intracellular anticancer protection. It mediates cell cycle arrest or apoptosis in response to DNA damage or to starvation for pyrimidine nucleotides. It is up-regulated in response to these stress signals and stimulated to activate transcription of specific genes, resulting in expression of p21waf1 and other proteins involved in G1 or G2/M arrest, or proteins that trigger apoptosis, such as Bcl-2. The structure of p53 comprises N-terminal transactivation domain, central DNA-binding domain, oligomerisation domain, and C-terminal regulatory domain. There are various phosphorylation sites on p53, of which the phosphorylation at Ser15 is important for p53 activation and stabilization.

Product Info

Amount :	0.1 mg
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

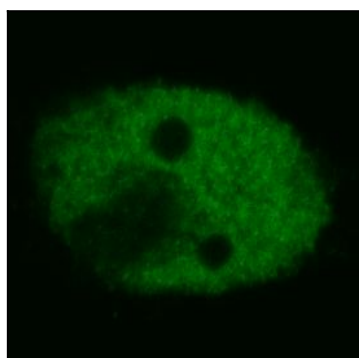


Figure 1: Confocal microscopy of human HeLa cells using anti-p53 (BP53-12; FITC). The expression of p53 protein was enhanced by intercalating reagent. Cells were fixed and permeabilized before incubation with the p53-FITC MAb. Photo provided by Dr. Hodny, Inst. of Experimental Medicine, Prague, Czech Republic

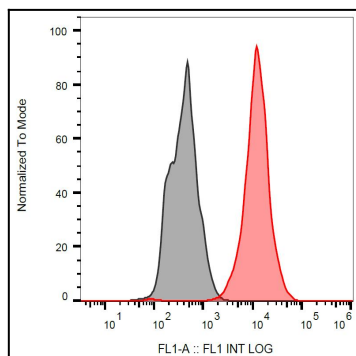


Figure 2: Intracellular staining of p53 in RAMOS cells with anti-p53 (BP53-12) FITC.