

Mouse anti-p53, clone BP53-12 (Monoclonal)

Clone no. BP53-12

MONOSAN

---

Product name	Mouse anti-p53, clone BP53-12 (Monoclonal)
Host	Mouse
Applications	FC , IP, WB, IHC-P, ICC, ELISA
Species reactivity	Human, Non-human primates
Conjugate	-
Immunogen	Bacterially expressed full-length wild-type p53
Isotype	IgG2a
Clonality	Monoclonal
Clone number	BP53-12
Size	0.1 mg
Concentration	1 mg/ml
Format	-
Storage buffer	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

## Mouse anti-p53, clone BP53-12 (Monoclonal)

Clone no. BP53-12

MONOSAN

**Additional info**

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.

**References**

1. -
2. -
3. -
4. -
5. -

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES