

## Anti-p53 (PAb 1620)

Type	Size	Catalog number
unconjugated	100µg	102201
	500µg	102203

<b>Antigen:</b>	p53
<b>Immunogen:</b>	Mouse VLM tumor cells
<b>Host/Isotype:</b>	Mouse IgG2a, κ
<b>Reactivity:</b>	Human (predicted Mouse, Rat, Cow)
<b>Purity:</b>	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
<b>Formulation:</b>	PBS, pH7.2, 0.09%NaN <sub>3</sub>
<b>Storage:</b>	Store at 2-8°C for 12 months
<b>Applications:</b>	ICC

### Application Information

It is strongly suggested that the antibody reactivity be empirically titrated by the end user for optimal performance in the application of interest.

- ICC: 1:500 - 1:1000

### Antigen Information

p53 acts as a tumor suppressor in many tumor types; it induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator, p53 acts to negatively regulate cell division by controlling a set of genes required for this process. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. p53 antibody PAb 1620 binds a conformational epitope which disappears in some mutant p53 or upon denaturation.

### References

1. Cook A, Milner J. (1990) Evidence for allosteric variants of wild-type p53, a tumour suppressor protein. Br J Cancer. 61(4):548-52.
2. Peter L Wang, Fiona Sait and Greg Winter (2001) The 'wildtype' conformation of p53: epitope mapping using hybrid proteins. Oncogene 20 (18): 2318-24

### Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.