

## 10-6634: Mouse Monoclonal Antibody to P53 (Clone: 1711CT184.18.1)(Discontinued)

<b>Clonality :</b>	monoclonal
<b>Clone Name :</b>	1711CT184.18.1
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	TP53
<b>Gene ID :</b>	7157
<b>Uniprot ID :</b>	P04637
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Cellular tumor antigen p53, Antigen NY-CO-13, Phosphoprotein p53, Tumor suppressor p53, TP53, P53
<b>Isotype :</b>	Mouse IgG1,Kappa
<b>Immunogen Information :</b>	Recombinant Protein

### Description

Acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. In cooperation with mitochondrial PPIF is involved in activating oxidative stress-induced necrosis; the function is largely independent of transcription. Induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA- Mkl1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis and seem to have to effect on cell-cycle regulation. Implicated in Notch signaling cross-over. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression. Isoform 2 enhances the transactivation activity of isoform 1 from some but not all TP53-inducible promoters. Isoform 4 suppresses transactivation activity and impairs growth suppression mediated by isoform 1. Isoform 7 inhibits isoform 1-mediated apoptosis.

### Product Info

<b>Amount :</b>	50 µl / 200 µl
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
<b>Storage condition :</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

### Application Note

WB~1:2000

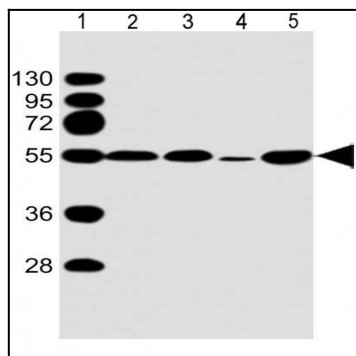


Figure 1: All lanes : Anti-P53 Antibody (10-6634) at 1:2000 dilution with Lane 1: A431 whole cell lysate, Lane 2: HT-29 whole cell lysate, Lane 3: CCRF-CEM whole cell lysate, Lane 4: COS-7 whole cell lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa.