

**Acetyl-p53 (Lys382) (3E3) Mouse mAb****db6592****Package : 50µL 100µL****Product Name :** Acetyl-p53 (Lys382) (3E3) Mouse mAb**Cat.No.:** db6592**Synonyms :** Cellular tumor antigen p53; Cys 51 stop; Tp53; Tumor protein p53**Application :** IHC-P**Reactivity :** Human, Rat, Mouse**Host species :** Mouse**Background**

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-Mkln1. 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. Regulates the circadian clock by repressing CLOCK-ARNTL/BMAL1-mediated transcriptional activation of PER2 (PubMed/24051492).

**Immunogen**

Synthetic peptide conjugated to KLH

**Gene ID**

7157

**Swiss Prot**

P04637

**Synonyms**

Cellular tumor antigen p53; Cys 51 stop; Tp53; Tumor protein p53

**Reactivity**

Human, Rat, Mouse

**Application**

IHC-P

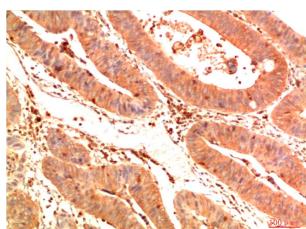
**Recommended dilution**

IHC: 1:50-1:100

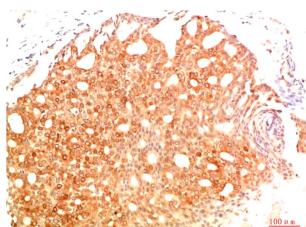
**Calculated MW**

53 kDa

<b>Host species</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	3E3-3C4-7G5
<b>Isotype</b>	IgG1
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma Tissue using Acetyl-p53 (Lys382) (3E3) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using Acetyl-p53 (Lys382) (3E3) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.