

Acetyl-p53 (Lys382) (7E1) Mouse mAb (PBS Only)**db6591-PBS****Package :** 可询价**Product Name :** Acetyl-p53 (Lys382) (7E1) Mouse mAb (PBS Only)**Cat.No.:** db6591-PBS**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

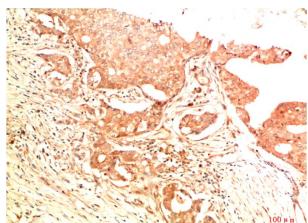
Calculated MW

53 kDa

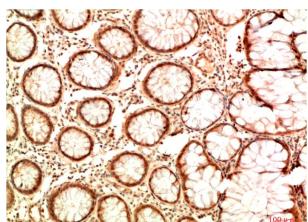
Host species

Mouse

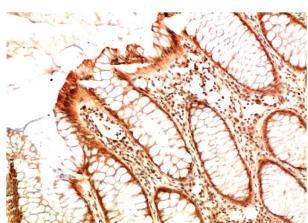
Clonality	Monoclonal
Clonality No.	7E1-10D6-9B2
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using Acetyl-p53 (Lys382) (7E1) 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) (7E1) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma Tissue using Acetyl-p53 (Lys382) (7E1) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.