

Acetyl-p53 (Lys382) (7E1) Mouse mAb

db6591

Package : 50μL 100μL

Product Name : Acetyl-p53 (Lys382) (7E1) Mouse mAb

Cat.No.: db6591

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-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. 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

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IHC-P

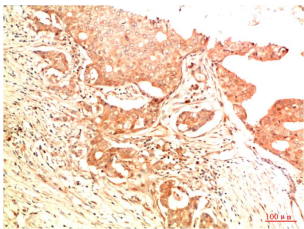
Recommended dilution

IHC: 1:50-1:100

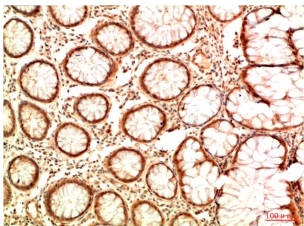
Calculated MW

53 kDa

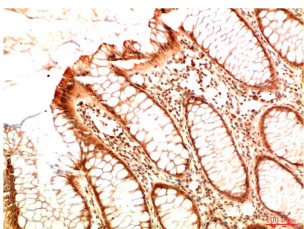
Host species	Mouse
Clonality	Monoclonal
Clonality No.	7E1-10D6-9B2
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Immunohistochemistry analysis of paraffin-embedded Human 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.