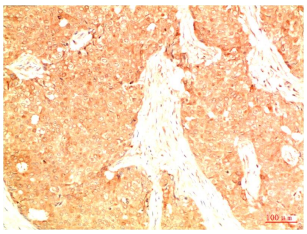
Acetyl-p53 (Lys382) (2G4) Mouse mAb

db6593 **Package : 50μL 100μL**

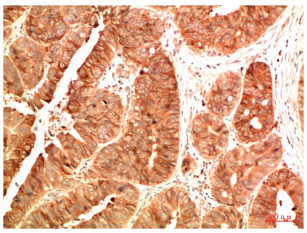
Product Name : Acetyl-p53 (Lys382) (2G4) Mouse mAb
Cat.No.: db6593
Synonyms : Cellular tumor antigen p53; Cys 51 stop; Tp53; Tumor protein p53
Application : IHC-P
Reactivity : Human, Rat, Mouse
Host species : Mouse

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

Host species	Mouse
Clonality	Monoclonal
Clonality No.	2G4-5C4-4D2
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) (2G4) 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) (2G4) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.