

Datasheet for ABIN7147346
anti-p53 antibody (AA 2-393)



[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	p53 (TP53)
Binding Specificity:	AA 2-393
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant Human Cellular tumor antigen p53 protein (2-393AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	p53 (TP53)
Alternative Name:	TP53 (TP53 Products)
Background:	Background: Acts as a tumor suppressor in many tumor types, induces growth arrest or

Target Details

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.

Aliases: Antigen NY-CO-13 antibody, BCC7 antibody, Cellular tumor antigen p53 antibody, FLJ92943 antibody, LFS1 antibody, Mutant tumor protein 53 antibody, p53 antibody, p53 tumor suppressor antibody, P53_HUMAN antibody, Phosphoprotein p53 antibody, Tp53 antibody, Transformation related protein 53 antibody, TRP53 antibody, tumor antigen p55 antibody, Tumor protein 53 antibody, Tumor protein p53 antibody, Tumor suppressor p53 antibody

UniProt: [P04637](#)

Pathways: [p53 Signaling](#), [MAPK Signaling](#), [PI3K-Akt Signaling](#), [Apoptosis](#), [AMPK Signaling](#), [Chromatin Binding](#), [ER-Nucleus Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Autophagy](#), [Warburg Effect](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

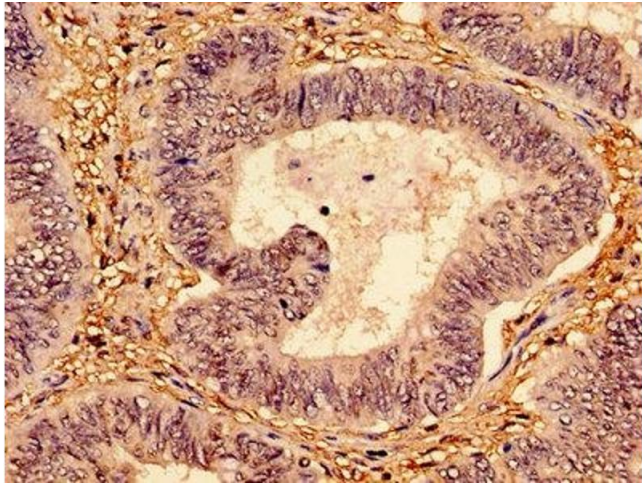
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Handling

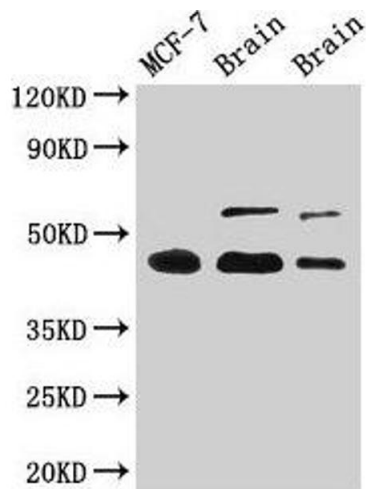
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



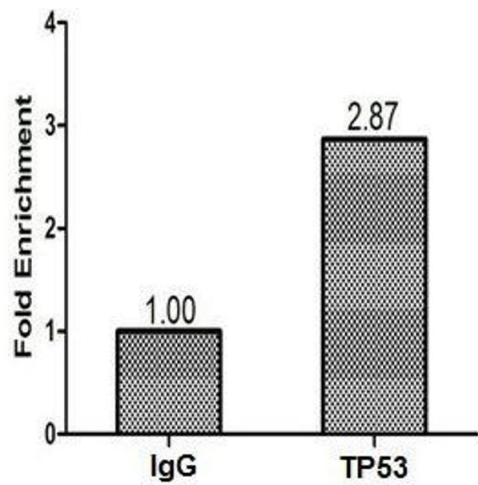
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7147346 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: MCF-7 whole cell lysate, Rat brain tissue, Mouse brain tissue All lanes: TP53 antibody at 2.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 44, 38, 39, 40, 34, 35, 30, 24, 25 kDa Observed band size: 44 kDa



Immunohistochemistry

Image 3. Chromatin Immunoprecipitation Hela (1.2×10^6) were cross-linked with formaldehyde, sonicated, and immunoprecipitated with 4 μ g anti-TP53 or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the P21 promoter.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7147346.