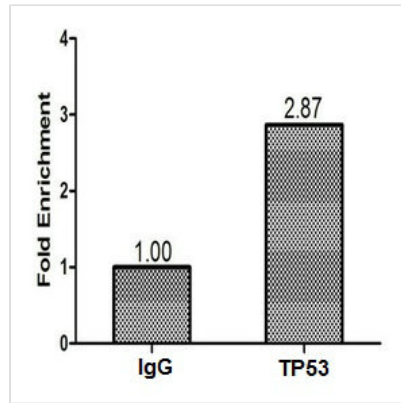


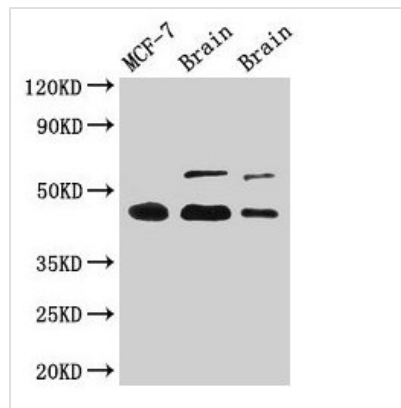


TP53 Antibody

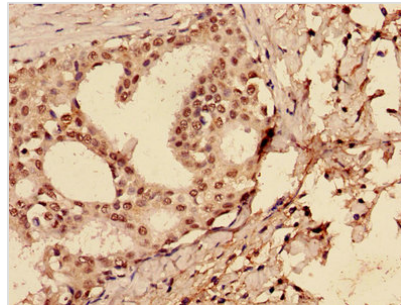
Product Code	CSB-PA07889A0Rb
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P04637
Immunogen	Recombinant Human Cellular tumor antigen p53 protein (2-393AA)
Raised In	Rabbit
Species Reactivity	Human, Mouse, Rat
Tested Applications	ELISA, WB, IHC, ChIP; Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200
Relevance	<p>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.</p>
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Cellular tumor antigen p53 (Antigen NY-CO-13) (Phosphoprotein p53) (Tumor suppressor p53), TP53, P53
Species	Human
Research Area	Cell Biology
Target Names	TP53


Image


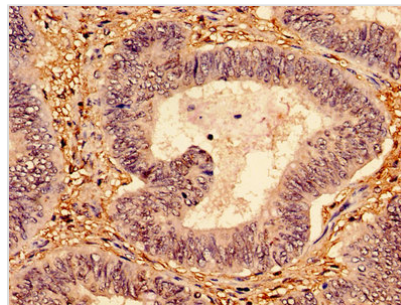
Chromatin Immunoprecipitation HeLa (1.2×10^6) were cross-linked with formaldehyde, sonicated, and immunoprecipitated with 4 μ g anti-TP53 or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers (CSB-PP07889HU) against the P21 promoter.



Western Blot
 Positive WB detected in: MCF-7 whole cell lysate, Rat brain tissue, Mouse brain tissue
 All lanes: TP53 antibody at 2.5 μ g/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 of paraffin-embedded human breast cancer using CSB-PA07889A0Rb at dilution of 1:100



Immunohistochemistry of paraffin-embedded human colon cancer using CSB-PA07889A0Rb at dilution of 1:100