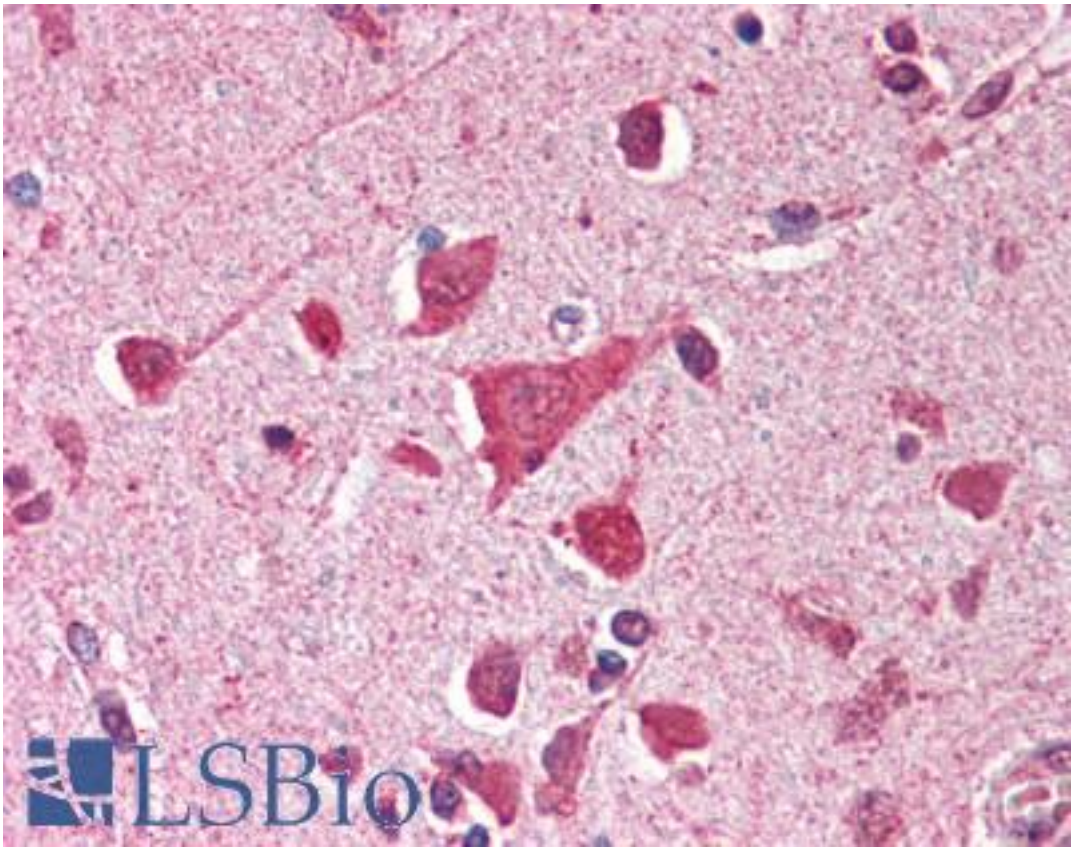
LSBio
LifeSpan BioSciences, Inc.

TP53 / p53 Mouse anti-Human Monoclonal (BP53-12) Antibody - LS-B431 - LSBio

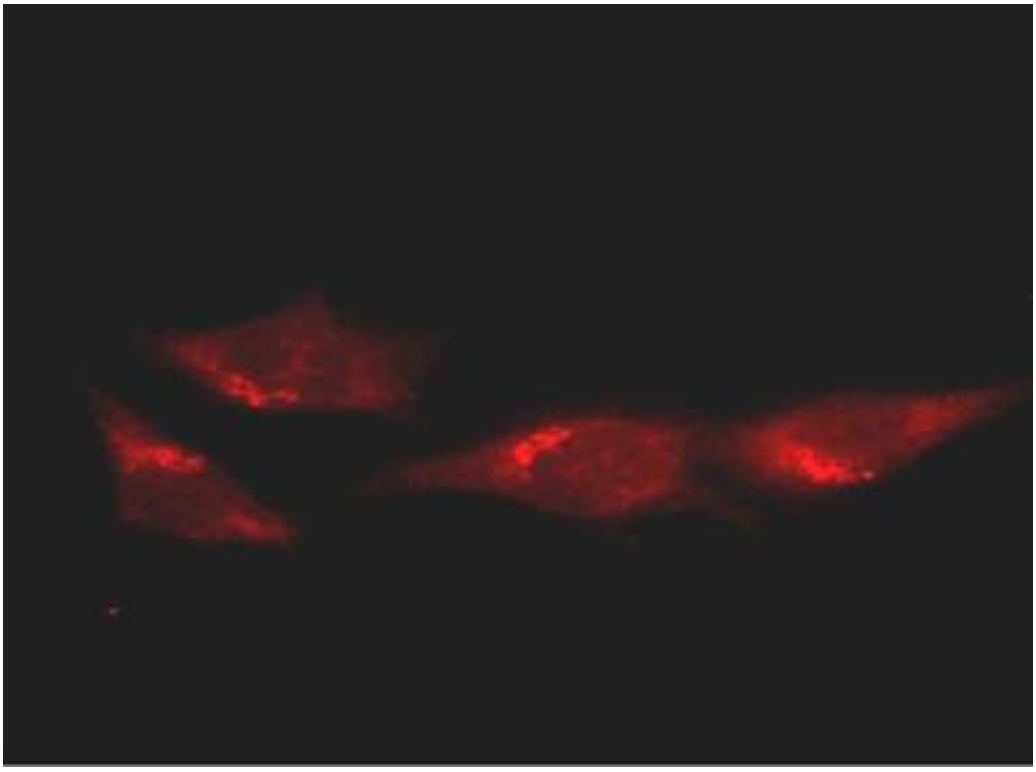
CatalogID:	LS-B431
Validation:	This antibody replaces catalog number LS-C19012. It has been validated for use in the following assays: IHC.
Target:	tumor protein p53 (TP53)
Synonyms:	TP53 Antibody, BCC7 Antibody, Cellular tumor antigen p53 Antibody, p53 Antibody, TRP53 Antibody, p53 tumor suppressor Antibody, Phosphoprotein p53 Antibody, Antigen NY-CO-13 Antibody, Tumor protein p53 Antibody, Tumor suppressor p53 Antibody, LFS1 Antibody
Family / Subfamily:	P53 / Not assigned-Other
Host	TP53 antibody was produced in Mouse
Clonality:	Monoclonal
Isotype:	IgG2a,k
Clone Name:	BP53-12
Immunogen Species:	TP53 / p53 antibody was raised against Human
Immunogen:	TP53 / p53 antibody was raised against recombinant human TP53 / p53.
Specificity:	Recombinant human p53 protein. Hybridoma: Produced by the fusion between BALB/c mouse splenocytes and mouse myeloma P3-X63/AG8.653 cells using conventional hybridoma technology.
Reactivity:	Human
Purification:	Protein A purified
Presentation:	0.02 M potassium phosphate, 0.5 M sodium chloride, pH 7.2, 0.01% sodium azide.
Recommended Storage:	+4°C or -20°C, Avoid repeated freezing and thawing.
Usage Summary:	Immunohistochemistry: LS-B431 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B431 was determined to be 2.5 ug/ml.
Uses:	IHC - Paraffin (2.5 µg/ml), ICC, Immunofluorescence, Western blot (1:500 - 1:2000), Immunoprecipitation, ELISA (1:2000 - 1:10000) (Optimal dilution to be determined by the researcher)
Size:	50 µg
Concentration:	1 mg/ml

Immunohistochemistry Image:



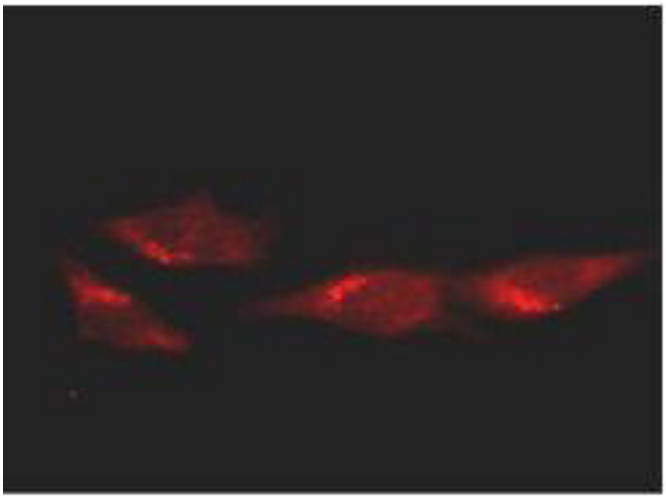
Anti-TP53 / p53 antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B431 concentration 5 ug/ml.

Immunofluorescence Image:



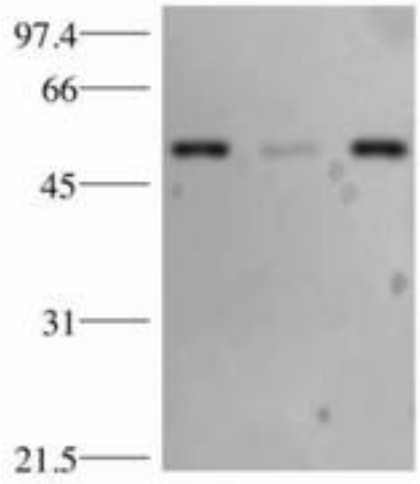
Immunofluorescence microscopy of HeLa cells using anti-p53 a 1:100 dilution. Personnel Communication. Kuldeep Patel, Loyola University.

Immunofluorescence Image:



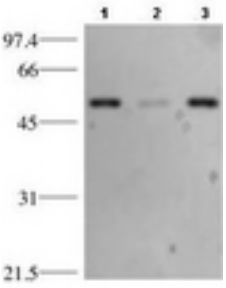
p53 Antibody - Immunofluorescence Microscopy. Immunofluorescence microscopy of HeLa cells using anti-p53. Protein A purified Mab anti-p53 was used at a 1:100 dilution in 10% normal goat serum in PBS and reacted overnight at 4° C. After washes cells were incubated with a 1:500 dilution of Alexa Fluor594 Goat-a-Mouse IgG diluted in normal goat serum for 1 h at room temperature. Personnel Communication. Kuldeep Patel, Loyola University.

Western Blot Image:



Western blotting using anti-p53. HeLa whole cell lysate (lane 1), cytosol fraction (lane 2) and nuclear extract (lane 3) (15 mg) incubated overnight with anti-p53 overnight at 4° C diluted 1:1,500. Personnel Communication. Kuldeep Patel, Loyola University.

Western Blot Image:



p53 Antibody - Western Blot. Western blotting using anti-p53. HeLa whole cell lysate (lane 1), cytosol fraction (lane 2) and nuclear extract (lane 3) (15 ug) were separated by 10% SDS-PAGE and transferred to nitrocellulose membrane. The membrane was blocked with 3% milk/TBST for 1 h at room temperature followed by incubation with Protein A purified Mab anti -p53 overnight at 4° C diluted 1:1500 in blocking solution. The membrane was washed 3X with TBST and then incubated with a 1:2000 dilution of HRP Goat-a-Mouse IgG diluted in blocking buffer for 1 h at room temperature. After final washes the proteins reactive on the membrane were detected using ECL. Other detection systems will yield similar results. Personnel Communication. Kuldeep Patel, Loyola University.

Requested From:	Japan