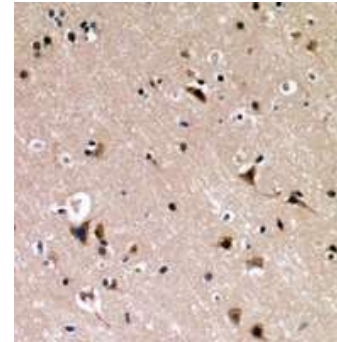


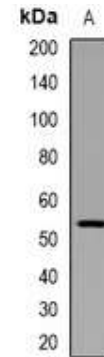
Phospho-p53 (Ser376) Antibody

CATALOG NO:	A1158-100
ALTERNATIVE NAMES:	P53, Cellular tumor antigen p53, Antigen NY-CO-13, Phosphoprotein p53, Tumor suppressor p53
AMOUNT:	100 µl
IMMUNOGEN:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human p53
HOST/ISOTYPE:	Rabbit IgG
CLONALITY:	Polyclonal
SPECIFICITY:	Recognizes endogenous levels of p53 (pS376) protein
SPECIES REACTIVITY:	Human and Mouse
PURIFICATION:	The antibody was purified by affinity chromatography
FORM:	Liquid
FORMULATION:	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
STORAGE CONDITIONS:	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	p53, a 53 kDa protein, binds to a DNA consensus sequence, the p53 response element, and regulates normal cell cycle events by activating transcription of genes involved either in progression through the cell cycle, or causing arrest in G1 when the genome is damaged. In most transformed and tumor cells the concentration of p53 is increased 5-1000 fold over the concentration in normal cells, principally due to the increased half-life (4 hrs) compared to that of wild-type (20 min). p53 localizes in the nucleus, but is detectable at the plasma membrane during mitosis and certain mutations also modulate cytoplasmic/nuclear distribution. p53 downregulates Bcl-2 expression and upregulates Bax expression, but may not always be necessary for apoptosis.
APPLICATION:	WB; 1:500 – 1:2000, IHC; 1:50 – 1:200

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunohistochemical analysis of p53 (pS376) staining in human brain formalin fixed paraffin embedded tissue section.



Western blot analysis of p53 (pS376) expression in NIH3T3 LPS-treated (A) whole cell lysates

RELATED PRODUCTS:

- p53 Antibody (**Cat. No. 3036R-100**)
- p53 Antibody (Clone C6A5) (**Cat. No. 3036-100**)
- p53 Blocking Peptide (**Cat. No. 3036RBP-50**)
- p53 Mutant, human recombinant (**Cat. No. 4832-5**)
- p53 Nuclear Translocation Assay Kit (Cell-Based) (**Cat. No. K961-50**)
- p53 Transcription Factor Activity Assay Kit (**Cat. No. K923-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.