

p53 Ab

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Cat.#: AF6073 Size: 100ul,200ul	Concn.: 1mg/ml Source: Rabbit	Mol.Wt.: 53kDa Clonality: Polyclonal
Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500	
Reactivity:	Human,Mouse,Rat,Monkey	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Specificity:	p53 Ab detects endogenous levels of total p53.	
Immunogen:	A synthesized peptide derived from human p53.	
Uniprot:	P04637	
Description:	Tumor protein p53, a nuclear protein, plays an essential role in the regulation of cell cycle, specifically in the transition from G0 to G1. It is found in very low levels in normal cells, however, in a variety of transformed cell lines, it is expressed in high amounts, and believed to contribute to transformation and malignancy.	
Subcellular Location:	Cytoplasm; Cytoplasm. Nucleus Endoplasmic reticulum. Interact nuclear localization. Recruited i CHEK2; Nucleus. Cytoplasm. Lo cytoplasm in most cells. In som nucleus that are different from Localized in the nucleus in most cytoplasm in some cells; Nucleu mainly in the nucleus with mino Nucleus. Cytoplasm. Predomina the cytoplasm when expressed Cytoplasm. Predominantly nucle cytoplasm following cell stress.	tion with BANP promotes nto PML bodies together with calized in both nucleus and e cells, forms foci in the nucleoli; Nucleus. Cytoplasm. t cells but found in the us. Cytoplasm. Localized or staining in the cytoplasm; antly nuclear but localizes to with isoform 4 and Nucleus.
Tissue Specificity:	Ubiquitous. Isoforms are express normal tissues but in a tissue-d is expressed in most normal tiss brain, lung, prostate, muscle, fe fetal liver. Isoform 3 is expressed is not detected in lung, spleen, and fetal liver. Isoform 7 is expressed but is not detected in prostate, breast. Isoform 8 is detected or testis, fetal brain and intestine. most normal tissues but is not of	ependent manner. Isoform 2 sues but is not detected in etal brain, spinal cord and ed in most normal tissues but testis, fetal brain, spinal cord ressed in most normal tissues uterus, skeletal muscle and hly in colon, bone marrow, Isoform 9 is expressed in



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fetal liver, salivary gland, breast or intestine.

Similarity:	The nuclear export signal acts as a transcriptional repression domain. The TADI and TADII motifs (residues 17 to 25 and 48 to 56) correspond both to 9aaTAD motifs which are transactivation domains present in a large number of yeast and animal transcription factors.Belongs to the p53 family.
	and animal danscription ractors. Belongs to the p55 family.

Storage Condition and Rabbit IgG in pho Buffer: NaCl, 0.02% sodiu

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts from COS-7, using p53 Ab. Lane 1 was treated with the blocking peptide.

Western blot analysis of extracts from Hela, using p53 Ab. Lane 1 was treated with the blocking peptide.

Western blot analysis of extracts from 293, using p53 Ab. Lane 1 was treated with the blocking peptide.



AF6073 at 1/50 dilution staining P53 in human breast carcinoma by Immunohistochemistry using paraffinembedded tissue



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AF6073 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF6073 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.

AF6073 staining Hela cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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