

Datasheet for ABIN3201006 anti-p53 antibody (pSer315)

Overview

Target Details

Target:





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Quantity:	100 μg
Target:	p53 (TP53)
Binding Specificity:	pSer315
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)
Product Details	Synthetic peptide containing pSer315 of p53
Product Details Immunogen:	
Product Details Immunogen: Clone:	Synthetic peptide containing pSer315 of p53
Product Details Immunogen: Clone: Isotype:	Synthetic peptide containing pSer315 of p53
Product Details Immunogen: Clone: Isotype: Characteristics:	Synthetic peptide containing pSer315 of p53 18 IgG2b kappa
Product Details Immunogen: Clone: Isotype:	Synthetic peptide containing pSer315 of p53 18 IgG2b kappa This product is the purified IgG fraction obtained from serum-free culture medium of mouse

p53 (TP53)

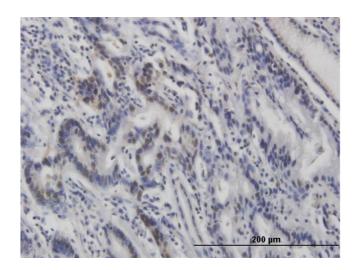
Target Details

Altamantica Nicor	# F2 (TDF2 Draduate)
Alternative Name:	p53 (TP53 Products)
Background:	P53 mutants are found in more than half of human cancers and are considered as the most
	important human cancer related gene. p53 is detected at 53kD position by electrophoresis and
	is composed of 393 amino acids. In the unstressed normal cells, the p53 level is low and it is
	inactive. However, with stress, especially with DNA damage, it is activated to promote arrest of
	cell cycle and repair of DNA damage, or induction of apoptosis. The functions and stability of
	p53 are regulated by phosphorylation of serine and threonine, and acetylation of lysine at
	various sites in the molecule. Ser315 is phosphorylated by aurora kinase and cycline-dependen
	kinases when cells are subjected to stress such as DNA damage and microtubule disruption by
	nocodazole. However the effect of the phosphorylation on the function of p53 is mostly
	unknown.
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:	1. Western blotting: 1,000~2000 dilution
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS (pH 7.4), 50 % glycerol
Preservative:	Azide free
Storage:	-20 °C
Storage Comment:	Upon arrival centrifuge briefly and store at -20 C.
Publications	
Product cited in:	Bode, Dong: "Post-translational modification of p53 in tumorigenesis." in: Nature reviews.
	Canaar Val 4 Jaqua 10 pp. 702 905 (2004) (DubMad)

Cancer, Vol. 4, Issue 10, pp. 793-805, (2004) (PubMed).

Katayama, Sasai, Kawai, Yuan, Bondaruk, Suzuki, Fujii, Arlinghaus, Czerniak, Sen: "Phosphorylation by aurora kinase A induces Mdm2-mediated destabilization and inhibition of p53." in: **Nature genetics**, Vol. 36, Issue 1, pp. 55-62, (2003) (PubMed).

Images

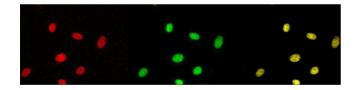


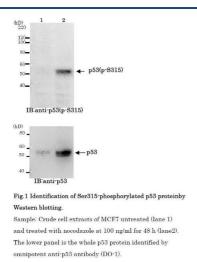
Immunohistochemistry

Image 1.

Immunofluorescence

Image 2.





Western Blotting

Image 3.

Please check the product details page for more images. Overall 4 images are available for ABIN3201006.