

Datasheet for ABIN3029395
anti-p53 antibody (AA 364-393)



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3 Images

Overview

Quantity:	0.4 mL
Target:	p53 (TP53)
Binding Specificity:	AA 364-393
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 364-393 from the human protein was used as the immunogen for this anti-p53 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	p53 (TP53)
Alternative Name:	p53 (TP53 Products)
Background:	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

Target Details

to transformation and malignancy. P53 is subject to modification by conjugation of SUMO-1. A p53 mutant deficient for MDM2 binding is poorly sumoylated in vivo compared to wild-type p53. Overexpression of MDM2 increases the level of p53 sumoylation, which is further stimulated by expression of ARF. These results show that p53 sumoylation is regulated by MDM2- and ARF-mediated nucleolar targeting.

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: Titration of the anti-p53 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (Paraffin): 1:100,Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

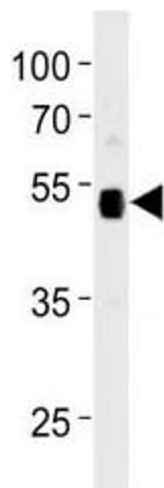
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

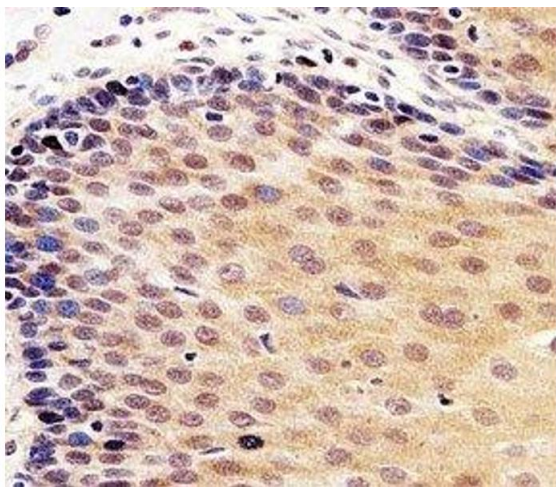
Storage: -20 °C

Storage Comment: Aliquot the anti-p53 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



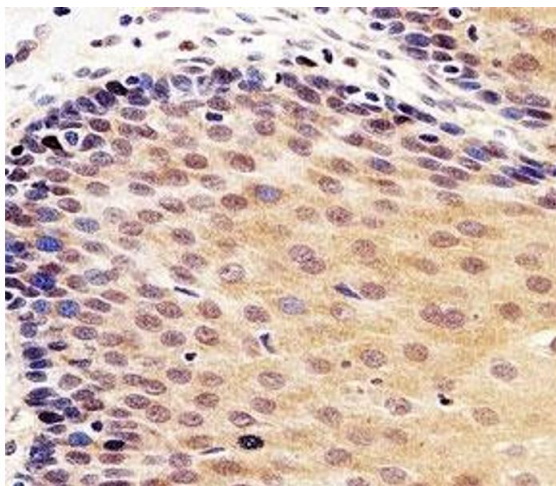
Western Blotting

Image 1. Anti-p53 antibody western blot analysis in 293 lysate



Immunohistochemistry

Image 2. IHC analysis of FFPE human esophagus section using anti-p53 antibody; Ab was diluted at 1:100.



Immunohistochemistry

Image 3. IHC analysis of FFPE human esophagus section using anti-p53 antibody