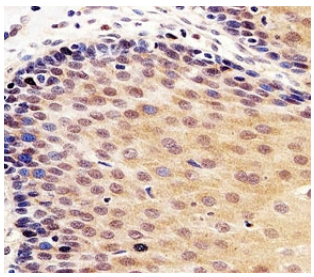
Anti-p53 Antibody (F48067)

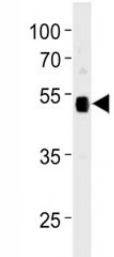
Catalog No.	Formulation	Size
F48067-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48067-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P04637
Applications	IHC (Paraffin): 1:100 Western blot: 1:1000
Limitations	This anti-p53 antibody is available for research use only.



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



Anti-p53 antibody western blot analysis in 293 lysate

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. 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.

Researchers studying p53 expression and TP53 signaling can explore our Protein Microarray Validated p53 Antibody page for additional reagents targeting this key tumor suppressor in cancer, DNA damage response and cell cycle research.

Application Notes

Titration of the anti-p53 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 364-393 from the human protein was used as the immunogen for this anti-p53 antibody.

Storage

Aliquot the anti-p53 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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