Human p53 Alexa Fluor® 647-conjugated Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG
Catalog Number: AF1489R
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human p53 when phosphorylated at S46.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Phosphopeptide containing human p53 S46 site
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The p53 tumor suppressor protein signals apoptosis in cells that have incurred irreparable genotoxic damage. Phosphorylation of p53 at serine 46 is a critical event leading to the cellular decision to undergo apoptosis rather than cell cycle arrest. Serine 46 can be phosphorylated by either the p38 MAP kinase or the homeodomain-interacting protein kinase 2 (HIPK2).

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