BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-TP53 Antibody Picoband® Fluoro647 Conjugated

**Catalog Number:** A00001-2-Fluoro647

## About TP53

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons from identical transcript variants.

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## Overview

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|---|---|
| Product Name | Anti-TP53 Antibody Picoband® Fluoro647 Conjugated |
| Reactive Species | Human |
| Application | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IHC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3. |
| Storage Instructions | At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P04637 |

## Technical Details

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| Immunogen | E.coli-derived human TP53 recombinant protein (Position: M1-D186). |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |

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| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro647<br>Excitation Wavelength: 641 nm<br>Emission Wavelength: 658 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

## Anti-TP53 Antibody - Fluoro647

For Research Use Only. Not for use in diagnostic procedures.