

Datasheet for ABIN2704419  
**anti-p53 antibody (Wild Type)**



[Go to Product page](#)

2 Images

## Overview

Quantity:	100 µg
Target:	p53 (TP53)
Binding Specificity:	Wild Type
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

## Product Details

Purpose:	Anti-p53 WT Unconjugated Antibody
Immunogen:	Mouse VLM tumor cells
Clone:	PAB1620
Isotype:	IgG2a, kappa
Characteristics:	<p>p53 acts as a tumor suppressor in many tumor types, it induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator, p53 acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. Implicated in Notch signaling cross-over. Isoform 2 enhances the transactivation activity of isoform 1 from some but not all TP53-</p>

## Product Details

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inducible promoters. Isoform 4 suppresses transactivation activity and impairs growth suppression mediated by isoform 1. Isoform 7 inhibits isoform 1-mediated apoptosis.

Purification: Purified

Purity: >95 %

Grade: GMP Grade

## Target Details

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Target: p53 (TP53)

Alternative Name: p53 (TP53 Products)

NCBI Accession: [NM\\_000546](#)

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

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

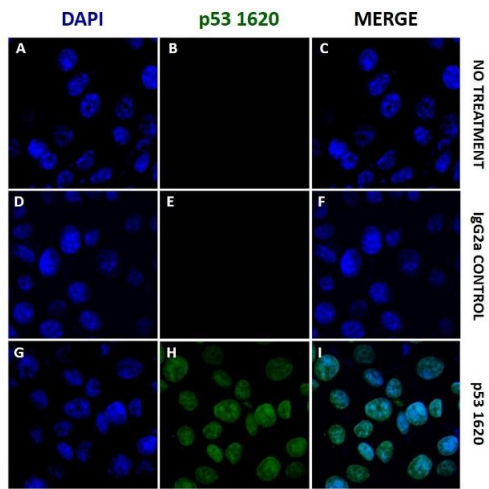
Concentration: 0.5 mg/mL

Buffer: PBS pH 7.2, 0.1 % (w/v) BSA, 0.09 % (w/v) sodium azide

Preservative: Sodium azide

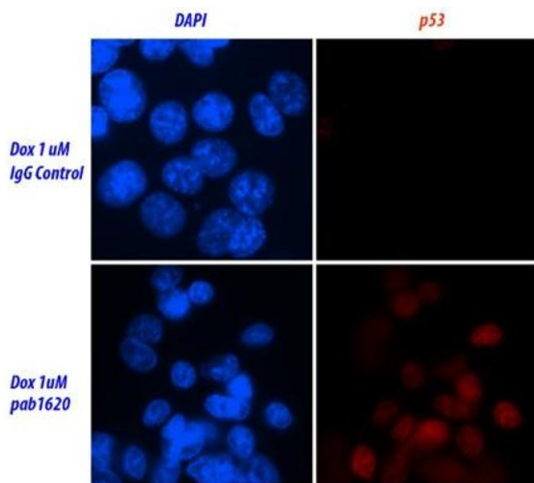
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C



### Immunocytochemistry

**Image 1.** MCF-7 breast cancer cells were treated with (D – I) or without (A – C) 50 nM dox for 24 hrs, incubated with IgG2a isotype control or anti-p53 (ABIN2704419) diluted 1:1000. Donkey-anti-mouse iFluor™ 488 (green, B, E, H) was used in a dilution of 1:1000, and DAPI was applied for detection of nuclei (blue, A, D, G).



**Image 2.**