

Datasheet for ABIN7429400
anti-p53 antibody (AA 108-370)



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2 Images

Overview

Quantity:	100 µL
Target:	p53 (TP53)
Binding Specificity:	AA 108-370
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Tumor Protein p53 (P53)
Immunogen:	Recombinant Tumor Protein p53 (P53) corresponding to Gly108~Lys370 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against P53. It has been selected for its ability to recognize P53 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Pig, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

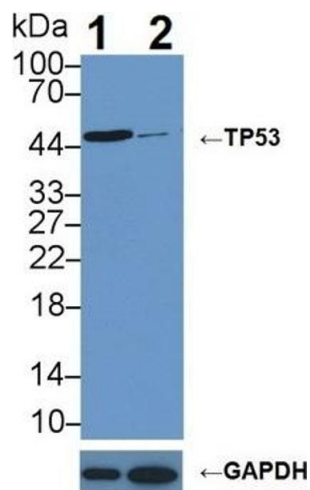
Target:	p53 (TP53)
Alternative Name:	Tumor Protein p53
Background:	TP53, LFS1, TRP53, Li-Fraumeni Syndrome, Cellular tumor antigen p53, Antigen NY-CO-13, Phosphoprotein p53, Tumor suppressor p53
UniProt:	P04637
Pathways:	p53 Signaling , MAPK Signaling , PI3K-Akt Signaling , Apoptosis , AMPK Signaling , Chromatin Binding , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Autophagy , Warburg Effect

Application Details

Application Notes:	Western blotting: 0.01-2 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

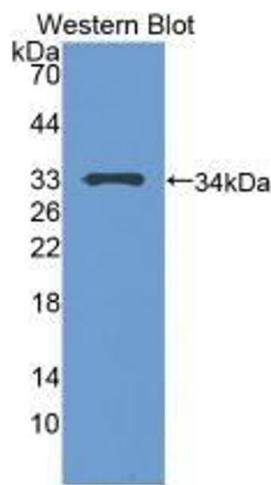
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Knockout Varification; Lane 1: Wild-type MCF7 cell lysate, Lane 2: TP53 knockout MCF7 cell lysate, Predicted MW: 24,30,33,34,38,39,44 kDa , Observed MW: 50 kDa, Primary Ab: 1 µg/mL Rabbit Anti-Human TP53 Antibody, Second Ab: 0.2 µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody, (ABIN6950948)



Western Blotting

Image 2. Detection of Recombinant TP53, Human using Polyclonal Antibody to Tumor Protein p53 (P53)