

Datasheet for ABIN1535527
anti-p53 antibody (acLys317)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	p53 (TP53)
Binding Specificity:	AA 283-332, acLys317
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human p53 around the acetylated site of Lys317.
Isotype:	IgG
Specificity:	p53 (Acetyl-Lys317) Antibody detects endogenous levels of total p53 protein only when acetylated at Lys317. AcetylationH:K317 M:K314 R:K315
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using acetylated peptide. The antibody against non-acetylated peptide was removed by chromatography using corresponding non-acetylated peptide.
Purity:	> 95 %

Target Details

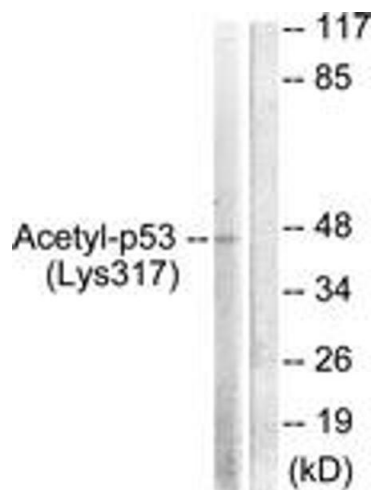
Target:	p53 (TP53)
Alternative Name:	p53 (TP53 Products)
Background:	Synonyms: Antigen NY-CO-13, Cellular tumor antigen p53, Phosphoprotein p53, TP53, Tumor suppressor p53 NCBI Gene Symbol: TP53
Molecular Weight:	43 kDa
Gene ID:	7157
OMIM:	133239
UniProt:	P04637
Pathways:	p53 Signaling , MAPK Signaling , 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:	WB: 1:500~1:1000 IF: 1:100~1:500 ELISA: 1:1000
Comment:	Unigene-Number: Hs.654481 (NCBI Gene Symbol: TP53)
Restrictions:	For Research Use only

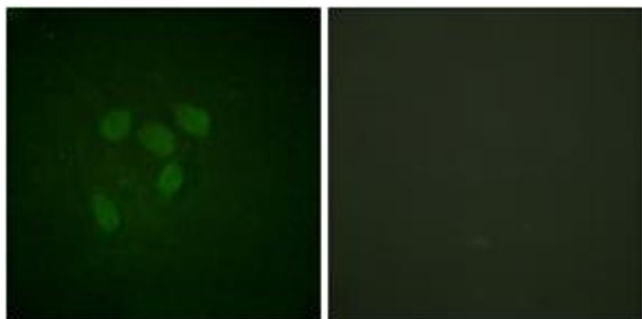
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells, treated with TSA 400nM 24h, using p53 (Acetyl-Lys317) Antibody. The lane on the right is treated with the synthesized peptide.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cells, using p53 (Acetyl-Lys317) Antibody. The picture on the right is treated with the synthesized peptide.