

p53 Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP11723
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	The antiserum was produced against synthesized peptide derived from human p53. AA range:283-332
Mol wt	43653
Species reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Cellular tumor antigen p53
Synonyms	Cellular tumor antigen p53; TP53; P53; Cellular tumor antigen p53; Antigen NY-CO-13; Phosphoprotein p53; Tumor suppressor p53

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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 (PMIDs: 12032546| 20937277).

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

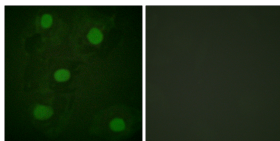
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

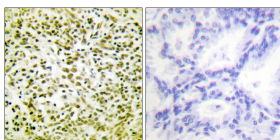
ELISA: 1: 10000

Not yet tested in other applications.

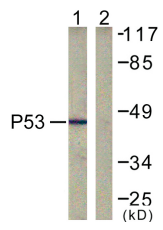
Images



Immunofluorescence analysis of HeLa cells, using p53 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using p53 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, treated with TSA 400nM 24h, using p53 Antibody.
The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for 1 year

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