AbboMax, Inc

Innovation at Work

Order Information

Description: Rabbit anti P53
Catalogue#: 500-2014
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB, IHC
Reactivity: Hu, Rt, Ms

Rabbit anti P53 Polyclonal Antibody

Alternate Names:
P53; Protein 53; Tumor protein 53

ANTIGEN PREPARATION

A synthetic peptide corresponding to the N-terminus of human p53 protein

BACKGROUND

P53, also known as protein 53, or tumor suppressor protein 53, plays important roles in cellular response to DNA damage and other genomic aberration. Mutations in the *p53* tumor suppressor gene giving rise to mutant p53 proteins are among the most common genetic alterations associated with tumor cells. P53 protein is phosphrylated at multiple sites in vivo and in vitro in response to different stimuli. UV caused DNA damage can induce Ser9, Ser15, Ser20 phosphorylation while ATM, ATR, DNA-PK at Ser15 and Ser37.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~53 kDa of humanP53 protein. It also reacts with mouse and rat. The other species are not tested.

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at –20°C to –70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

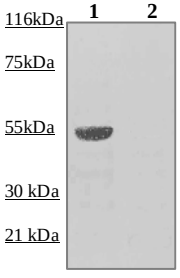
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	2-5 µg/ml
Flow cytometry	Not tested

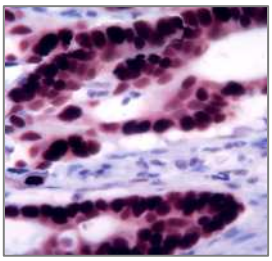
MOLECULAR WEIGHT:	53 kDa
POSITIVE CONTROL:	Brain tissue
CELLULAR LOCATION:	Nuclear

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



WB: The tissue lysate derived from mouse brain was immunoprobed by Rabbit anti-p53 (Cat#500-2015) at 1:500. An immunoreactive band is observed around ~53kDa (Lane 1). The lane 2 is a negative control.



IHC: Human breast tissue was immune-stained with Anti-p53 antibody, (Cat# 500-2014) at 1:100 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES:

Sylvie Labrecque, et al. Analysis of the Anti-p53 Antibody Response in Cancer Patients (1993) *Cancer Research* 53, 3468-3471

FOR RESEARCH USE ONLY.

AbboMax, Inc 1161 Ringwood Ct. Suite 100, San Jose, California 95131, USA
1 408-321-9898 (Tel). 1 408-321-9896 (Fax). 1-866-628-9898 www.abbomax.com info@abbomax.com