

p53 Rabbit mAb

Catalog No: #49815

Package Size: #49815-1 50ul #49815-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	p53 Rabbit mAb
Clone No.	JB42-26
Purification	ProA affinity purified
Applications	WB,IHC,FC,IP,ICC,IF
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	Antigen NY-CO-13 antibody BCC7 antibody Cellular tumor antigen p53 antibody LFS1 antibody p53 tumor suppressor antibody P53_HUMAN antibody Phosphoprotein p53 antibody Tp53 antibody Transformation related protein 53 antibody TRP53 antibody Tumor protein p53 antibody Tumor suppressor p53 antibody
Accession No.	Swiss-Prot#:P04637
Uniprot	P04637
GeneID	7157;
Calculated MW	53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

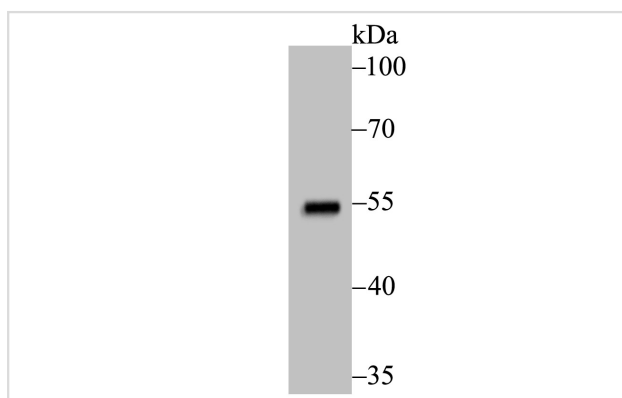
WB: 1:500

IHC: 1:100

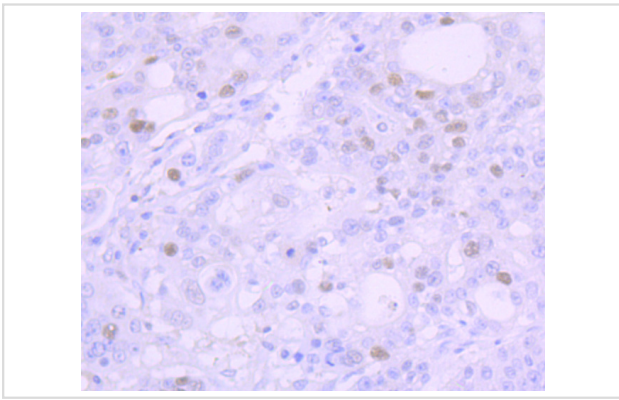
ICC: 1:100-1:500

FC: 1:50-1:100

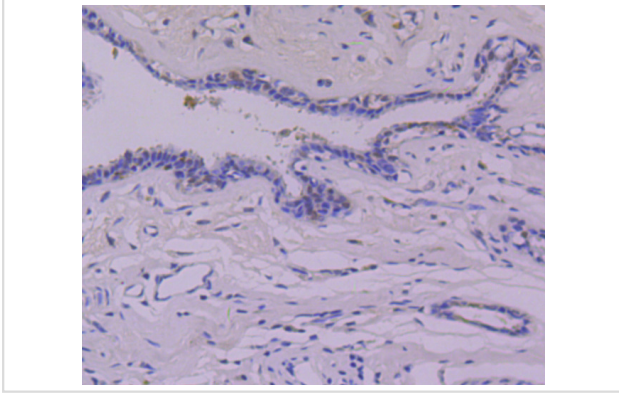
Images



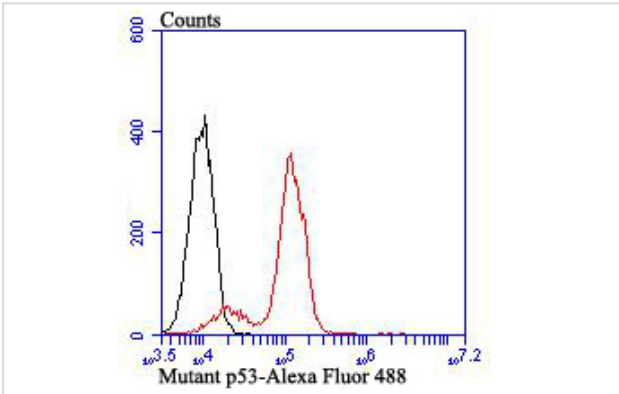
Western blot analysis of p53 on 293 cell using p53 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using p53 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using p53 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Daudi cells with p53 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that 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. In cooperation with mitochondrial PPIF is involved in activating oxidative stress-induced necrosis; the function is largely independent of transcription. Induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA-Mkn1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis and seem to have to effect on cell-cycle regulation. Implicated in Notch signaling cross-over. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression.

Note: This product is for in vitro research use only