

Datasheet for ABIN6242405
anti-p53 antibody (AA 1-393)



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2 Images

Overview

Quantity:	200 µL
Target:	p53 (TP53)
Binding Specificity:	AA 1-393
Reactivity:	Human, Green Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This P53 antibody is generated from a mouse immunized with a recombinant protein conjugated synthetic peptide between 1-393 amino acids from human P53.
Clone:	1711CT184-18-1
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	p53 (TP53)
Alternative Name:	P53 (TP53 Products)
Background:	Acts as a tumor suppressor in many tumor types, induces growth arrest or apoptosis

Target Details

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. Isoform 2 enhances the transactivation activity of isoform 1 from some but not all TP53-inducible promoters. Isoform 4 suppresses transactivation activity and impairs growth suppression mediated by isoform 1. Isoform 7 inhibits isoform 1-mediated apoptosis.

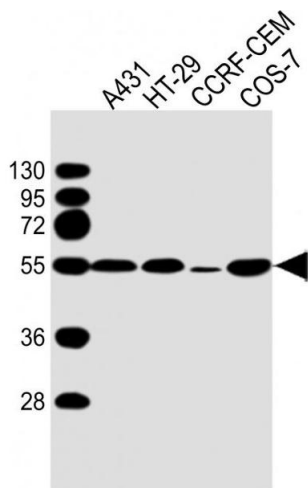
Molecular Weight:	43653
UniProt:	P04637
Pathways:	p53 Signaling , MAPK Signaling , PI3K-Akt Signaling , Apoptosis , AMPK Signaling , Chromatin Binding , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Autophagy , Warburg Effect

Application Details

Application Notes:	IHC: 1:400. WB: 1:2000
Restrictions:	For Research Use only

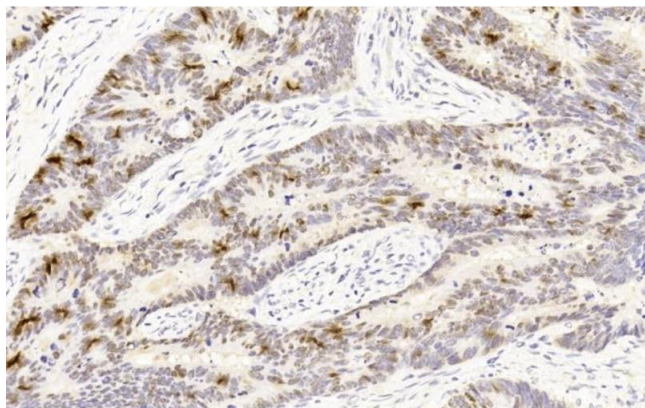
Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Expiry Date:	6 months



Western Blotting

Image 1. All lanes : Anti-P53 Antibody at 1:2000 dilution
Lane 1: A431 whole cell lysate Lane 2: HT-29 whole cell lysate Lane 3: CCRF-CEM whole cell lysate Lane 4: COS-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded Human Colon cancer section using Pink1 (ABIN6242405 and ABIN6577209). (ABIN6242405 and ABIN6577209) was diluted at 1:400 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.