

p53 (C-terminus) Monoclonal Antibody

Catalog No: #27172

Package Size: #27172-1 50ul #27172-2 100ul

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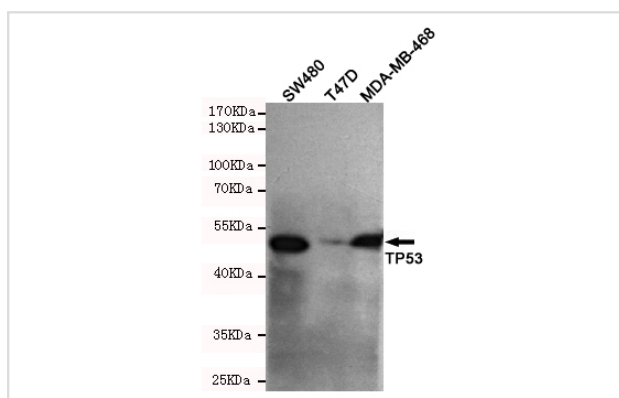
Description

Product Name	p53 (C-terminus) Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	6C4-C12-H10
Isotype	IgG2b
Purification	Affinity purified
Applications	WB
Species Reactivity	Hu
Specificity	This antibody detects endogenous levels of p53 and does not cross-react with related proteins.
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human p53 protein fragments expressed in E.coli.
Target Name	p53
Other Names	P53; LFS1; TRP53; TP53
Accession No.	Uniprot: P04637 Gene ID: 7157
SDS-PAGE MW	53kd
Formulation	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Storage	store at -20Λ C

Application Details

Western blotting: 1:1000

Images



Western blot detection of TP53 in SW480, T47D and MDA-MB-468 cell lysates using P53 antibody (1:1000 diluted). Predicted band size: 53KDa. Observed band size: 53KDa.

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. Implicated in Notch signaling cross-over. 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.