Product Datasheet

p53 Mouse Monoclonal Antibody

Catalog No: #38007

Package Size: #38007-1 50ul #38007-2 100ul

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

Description

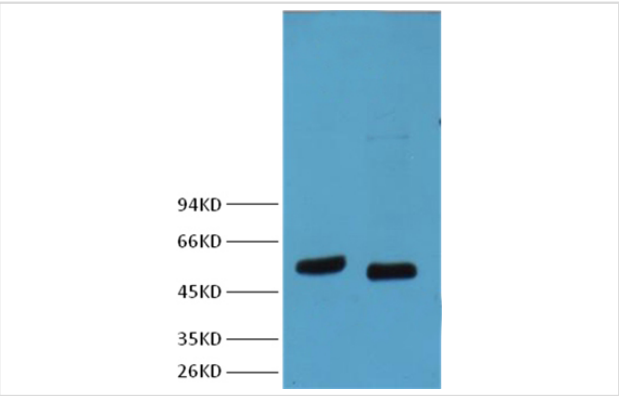
Product Name	p53 Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	6C4
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	p53 Mouse monoclonal antibody detects endogenous p53 proteins.
Immunogen Description	Synthetic peptide of human p53
Conjugates	Unconjugated
Target Name	p53
Other Names	Tumor suppressor p53; Phosphoprotein p53; Antigen NY-CO-13
Accession No.	Swiss-Prot#:P04637
SDS-PAGE MW	53kd
Concentration	1.0mg/ml
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C

Application Details

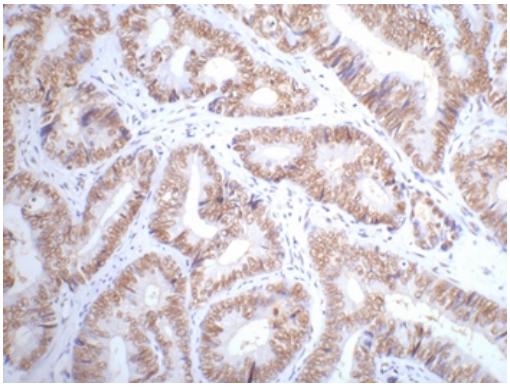
Western blotting: 1:2000

Immunohistochemistry: 1:200

Images



Western blot analysis of 293T, using #38007 diluted at 1:1,000 (left lane) and 1:2,000 (right lane).



IHC staining of paraffin-embedded Human colon cancer tissue with p53 mouse mAb(6C4) diluted at 1:200.

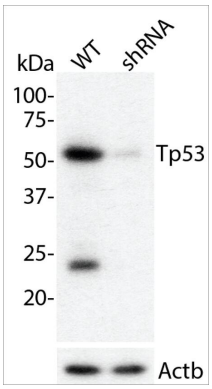
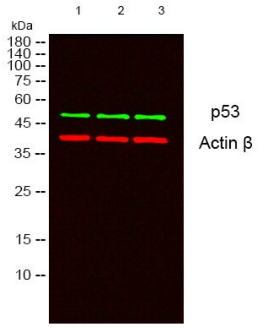


Figure legend: Western blot showing p53 (protein code: Tp53) expression in wild-type (WT) and Tp53 shRNA knockdown rat PC-12 cells. Beta-actin (Actb) served as the loading control. Conclusion: Since this antibody detects endogenous p53 protein in WT but not in shRNA knockdown cell lysate, this antibody is highly specific.



Western blot analysis of lysates from 1) 293T, 2) HEK293, 3) A431 cells using p53 Mouse Monoclonal Antibody #38007 (Green) and Actin β Polyclonal Antibody as the loading control (Red).

Background

p53 plays a major role in the cellular response to DNA damage and other genomic aberrations. The activation of p53 can lead to either cell cycle arrest and DNA repair, or apoptosis. p53 is phosphorylated at multiple sites in vivo and by several different protein kinases in vitro.

Published Papers

el at., Resveratrol suppresses human cervical carcinoma cell proliferation and elevates apoptosis via the mitochondrial and p53 signaling pathways.In Oncol Lett.On 2018 Jun by Li L, Qiu RL et al..PMID:29928358, , (2018)

PMID:29928358

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