Product Name: KD-Validated Phospho-p53 (S392) Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb01338

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 43.7kDa

Antigen Information

Gene Name	TP53
Alternative Names	TP53; Tumor Protein P53; P53; LFS1; Cellular Tumor Antigen P53; Phosphoprotein P53; Antigen NY-CO-13; Transformation-Related Protein 53; Mutant Tumor Protein 53; Li-Fraumeni Syndrome; Tumor Suppressor P53; Tumor Supressor P53; Tumor Protein 53; BMFS5; TRP53; BCC7
Gene ID	7157.0
SwissProt ID	P04637
Immunogen	A synthesized peptide derived from human Phospho-p53 (S392)

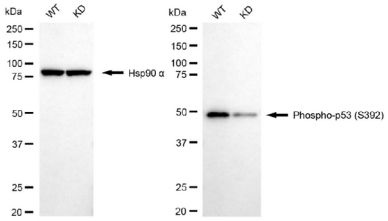
Background

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons from identical transcript variants (PMIDs: 12032546, 20937277). [provided by RefSeq, Dec 2016]

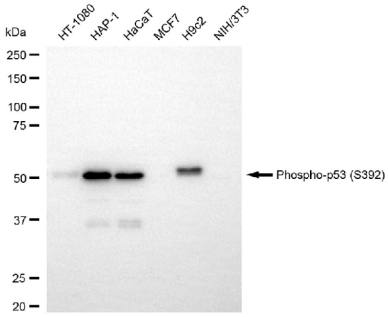
Research Area

Cell Biology,Epigenetics and Nuclear Signaling,Cancer,Neuroscience

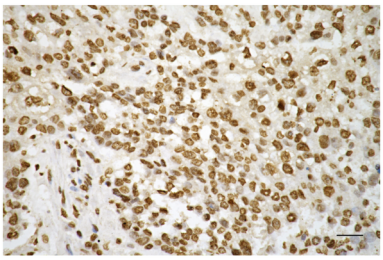
Image Data



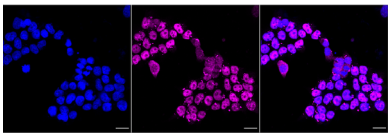
Western blotting analysis using phospho-p53 (S392) antibody (KVAb01338). Phospho-p53 (S392) expression in wild type (WT) and TP53 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-p53 (S392) antibody (KVAb01338, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



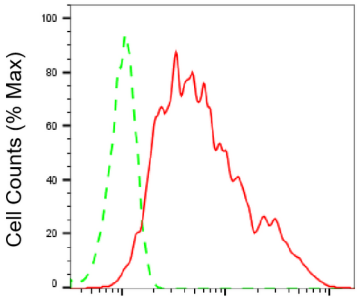
Western blotting analysis using phospho-p53 (S392) antibody (KVAb01338). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-p53 (S392) antibody (KVAb01338, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using phospho-p53 (S392) antibody (KVAb01338, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of Hela cells with Phospho-p53 (S392) antibody (KVAb01338, 1:1,000). Nuclei were stained blue with DAPI; Phospho-p53 (S392) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High.Scale bar, 20 µm.



Flow cytometric analysis of Phospho-p53 (S392) expression in HeLa cells using Phospho-p53 (S392) antibody (KVAb01338, 1:2,000). Green, isotype control; red, Phospho-p53 (S392).